

## 2199

<400> 2768  
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ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120  
ggattttt'nc'atataccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180  
tgatctgg'gaa tctcttatag tttgtttgtg cctgtatgtg ggaagt'ctg ggatgacctt 240  
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300  
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360  
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn 417

<210> 2769

<211> 292

<212> DNA

<213> Homo sapiens

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<222> (270)

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<222> (281)

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<220>

<221> misc feature

<222> (285)

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<400> 2769

ggcagaggct aaccctcagc aattctgatt tttgccatgn caaaaatata aatttttagg 60

## 2200

tgaaatctct tcattttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120  
caaacaaaac atatctgtga attaaatggt gaagtcattc atttgaaacc tctgcttggc 180  
ntgtttttct cacttgagtt tagccagctg agcaggggtg gcacatacca taagggtnng 240  
aaaagggttg ttccaagagg tccngttggn gttgggggtcc ngccntaggc tt 292

<210> 2770

<211> 261

<212> DNA

<213> Homo sapiens

<220>

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<222> (137)

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<222> (148)

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<222> (150)

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<221> misc feature

<222> (153)

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## 2201

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<222> (183)  
<223> n equals a,t,g, or c

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<222> (189)  
<223> n equals a,t,g, or c

<220>  
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<222> (194)  
<223> n equals a,t,g, or c

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<222> (225)  
<223> n equals a,t,g, or c

<220>  
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aagttggcta agggctggtg tatttggcag ggctctatac ttatacattg tcactttttt 120  
ttttttgggg ncagngnaag ccccatntn ttntangaaa aaaagccagg aaggaaagga 180  
aangaaaang aaantttttt cccacatctg gctctgttaa gctgngagag attgggcccc 240  
cccgtttttt tcccanagcc t 261

<210> 2771  
<211> 362  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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## 2203

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<222> (290)

<223> n equals a,t,g, or c

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<222> (291)

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<221> misc feature

<222> (323)

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<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 2771

cagtngngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60

## 2204

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taggccatca ttnccttagg nncaatnggc cntttcattg aagcagtttt aaaacaagaa 120
ggatgagtac gtatacatTT tataaaatcc attctgctaa cagtgtacaa aacaaagnga 180
cctcagatta gatgcaggga gtcccattaa atggctattg gtgtaacca gggcaaaaaa 240
ttgtggtagt ttggancaga attatgggca gtagatttgg agagactggn ntagagtgg 300
ggaggaccag aaagtaaaat ggncagnaat atctttaaat ttactgnaaa tttacttggg 360
tt

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&lt;210&gt; 2772

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (307)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2772

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ggcacgagcc taaacaagac tcttccatca aaagattcca tatatcccat ttatccagct 60
gactcccttg ttgtgagccc agatctacca ttgcaattct ctgattatag tttggattcc 120
taggctctct atggaagaaa aatggctctt ggtgattgtg tacttcacta taaattgtga 180
agttaagtgt tacggtttat acatcagtnT ctgttacatt gattaatgtg agtctactac 240
tacagatgca ttgcattgga aaagccaggg gatctggaat ccataggaca gggagccaaa 300
atatagnnca ggttatatTT gtgcaaggta atggccattg ntatggttcn tcttagattt 360
gtttttgcan tect

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374

## 2205

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<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (41)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (60)  
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<220>  
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<222> (64)  
<223> n equals a,t,g, or c

<220>  
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<222> (121)  
<223> n equals a,t,g, or c

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ccantttcttt ggaacgagga ggtccccccg gaccgaggct naacaaggna agcccctggn 60  
gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120  
n 121

<210> 2774  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>

## 2206

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<222> (31)  
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<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

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<222> (104)  
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<223> n equals a,t,g, or c

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<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
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## 2207

<222> (257)  
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<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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agcanattta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120  
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180  
atagtgaagc cacctgggct gttttnaaaa ccattcacaa acaatatgga atgtttgtgt 240  
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgct ttgggttccc 300  
cgtgaaagca ggctcagngg aaggaattnt actttncaga agttttatt 348

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<211> 458  
<212> DNA  
<213> Homo sapiens

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<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

2208

<220>  
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<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

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ggcagagtac tctttttcct tagccatagt ggaatgggtg tncataggca ttccctggcc 60  
cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgacca agaaagaagg 120  
ctgttgagaa gaggggaatt gtcgcagatt ttattgtctt ttacttaac agatatcttc 180  
tctccatatt tncctccaa tttaaataac atttattgga cacttcttac aaggttcact 240  
tagactaacg tttttttaa accgagggag aaaaatgtgt tccatgctca agcgtaggag 300  
ttggtagggn ttgttttaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360  
tacaccggtg gtacttgggc atcatttaan gngacctttt ttnatgaggg cttttgaggc 420  
aattttnatg tgaaagggcc cattttttnc ccccaggg 458

<210> 2776  
<211> 162  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (12)  
<223> n equals a,t,g, or c

<220>

## 2209

<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

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<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

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<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

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gccactttta gccatgtaaa cttangatta agttcacaag tncaactttt gnttttaccn 120  
gtccagtatc tcttttaggac acaaagcagt gntggagtta at 162

<210> 2777  
<211> 333  
<212> DNA  
<213> Homo sapiens

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<221> misc feature

## 2210

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<220>  
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<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)

## 2211

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<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<400> 2777

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ggcagagcct gcctggccac acctgcttgc ncatggcntt ggttgcccag ctgaggcact 60
tgcngncagc tactggcata gctcttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan tttanctgtt ttgtatccac ctttcttaaa cctccngggg 300
tttttaactt ttttanggtt ttagttcccc ggg                                     333
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<210> 2778

<211> 251

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

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<220>

## 2212

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<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<400> 2778  
ntggcgtnct tttctcaggt aatggaagtg ggcagagaat nancctttcc ctaggctcca 60  
gtgtgtaaga nttaaagaaa gaggaagaa acacaatggc ttgatggctg aggacaggtt 120  
tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcattgcc 180  
tcttacagac taagagtttt tnaaggattc aggggtgggag antttatcag aggcattggac 240  
ctgnttctnt g 251

<210> 2779  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

## 2213

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2779

tagaagcccg aaaggngcct ttaaaaagcc tttttaaatc cacagggcaa gaagggnctn 60  
taa 63

&lt;210&gt; 2780

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (146)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2214

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (462)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2780

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gagccactgt acccagcctc ctttgtttct ttttaaagt naggtatcaa agcccaacca 60
acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atcttttagct atttnttctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtn aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagt 420
tgaagcagct tacatgatca ggttattaat tggggagtcc ancatnattg tccaataggg 480
aaaagnctc gnaaa                                     495
```

&lt;210&gt; 2781

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2215

<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

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<220>  
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agggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cggg 114

<210> 2782  
<211> 398  
<212> DNA  
<213> Homo sapiens

<220>  
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2216

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2217

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<222> (391)  
<223> n equals a,t,g, or c

<220>

## 2218

<221> misc feature  
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<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

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gaggagtngg ggggctgctc cccccccagc caagggctct ntcgnnncca agnaggccga 120  
ggntggggnt gcnacggcag ggcccagccg ggaacagctc aaggttgacc tggatgattt 180  
ggtggccgct nagtgtttgt actgtgggga gctnatgac cgctctatcg accggccggt 240  
natcgacccc aagcgntacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300  
ttttaatggg ggggtgggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360  
ctaagttctt actcaataaa cttgcaantt nncacacn 398

<210> 2783  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

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gcggcacgag ggggggcccg gtaccaaat cgcctatan tgagtentat tacaattcac 60  
tggccgtcgt tttaaacgt cntgactggg aaaaccagg ggtcgctna ca 112

2219

<210> 2784  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

## 2220

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<220>  
<221> misc feature  
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<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (256)  
<223> n equals a,t,g, or c

<220>  
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<222> (261)  
<223> n equals a,t,g, or c

<220>  
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<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<220>

## 2221

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<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
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<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2222

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2784

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gtcgtggccc acaggaaaag atcctacagg gaatggatcc tgatgatatt tggcagctgt 60
cctccaaatc ttaaaaaagg ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaaacaaa gcaagcaagc ngggaaaagcc cgaanttccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccnggggtt attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttccnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttncccn 360
ccctttcncc cccctgggaa atctttgggt taaaatttaa tttggncitt tgggggggggt 420
ttggggggaa aaaattttt                                     438

```

&lt;210&gt; 2785

&lt;211&gt; 72

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2785

```

gcggnccgag cggcacnagg gggggcccg taccanttc gccctataat gantcgtatt 60
acaattcact gg                                     72

```

&lt;210&gt; 2786

&lt;211&gt; 417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

## 2223

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<220>  
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<220>  
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<222> (270)  
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<223> n equals a,t,g, or c

<220>  
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<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<400> 2786  
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tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120  
tgtcccattg gttaacatct gggtgggtct attacttact gtgatgactg ctgtctcagt 180  
gggcatgggtg ttgatccacg gggttactgt gataaccacc atggatacat nttgggtggcc 240  
cactgggtac tgtnaggact ggctacattn aatggatgtt attggctaata ccactgcatg 300  
gtttgatggc caccatctcc gttggggcct ttgggttttn atgggtgaat agcatttcac 360  
ttnacatctt cctttttggcc ccccccaat aaggtngctg ttgccactt ccttttt 417

<210> 2787

2224

<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<220>  
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<222> (224)  
<223> n equals a,t,g, or c

<220>  
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<222> (249)  
<223> n equals a,t,g, or c

<220>  
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<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
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<222> (326)  
<223> n equals a,t,g, or c

<220>  
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<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2225

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2787

gtgatttttg	aatcagaaca	caagcaccat	actgaaggac	tagcagccaa	ataactgcct	60
agggatactg	atgggttgga	anactgtttc	aaatgattgg	atctttggaa	agcttcagcg	120
tgccttagtt	tctaggatca	gaattanttt	tcctctcact	tgggccttgc	agctaaatgg	180
agaaatgttt	caattttctt	gaatacttgg	cacatttcaa	taantccttt	cccagagttat	240
aaccactcna	gggggggagca	aatttgggat	gggattttacg	actttcacan	ggcatttgtga	300
gggaaaganc	atttttccca	aaggcntggt	ttttgaatta	ccccctnggg	gtgaatanaa	360
caattgnaac	ccctccccac	actttacctt	ttgaacaatt	ttcacaattg	cacctgggta	420
cttcataat	ttccccctc	ccaaaattcc	gtttcentat	ccnggnttnc	nggccccatc	480
cccgggggaa	atcctaaagg	aaaaataa				508

&lt;210&gt; 2788

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2226

<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<400> 2788  
gcggcnnngat gtgaactgcc tcaagagtgg gtgggctgaa gatctnggat ctntctcacgc 60  
tatttggaac acngacnadc ctanccttgc cntagtgtgga ctatttttat nctttcatac 120  
ctccccccgc cctcttggca cttcggcaaaa actg 154

<210> 2789  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)

## 2227

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 2789

tcgatttccc tccacnagtg ggaganatnn cgggagctcc acagaggtgg ngcggttcgnt 60  
ctagnactag ggacatcccc ngggtgtgac gcgaatatc 99

<210> 2790

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

2228

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<400> 2790  
gcggcacgag ggcacgaggg gggggcccggt acccaattcg ccctatagtg agtcgtatta 60  
caattcactg gccgtcgttt tacaacgtcg tgactgggaa acccaaaagn nngngn 116

<210> 2791  
<211> 117  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2229

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2791

gcggcacnat ggcacgacgg ggggcccggg acccaattcg ccctanagtg antcgtatta 60  
caattcactg gccgtcgtn tacaacgtcg tgactgggat naccanttc ttccctc 117

&lt;210&gt; 2792

&lt;211&gt; 418

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (351)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (412)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

2230

&lt;400&gt; 2792

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gctgtctcct gtattccatt tcttgctctt tcttggtcca tccctcatt tttgtggtgt 60
taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg tttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaataa atttttctat agaattgtac tttgcctcca ttttacttca ctttccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaata cccttggnca 300
naactgcttt tacccttgaa aaaactttca aggtntcctt ccccttttat ncctgggaat 360
tccctgaaaa tttccctnat aatcctgccc ttggatgggt ttttcctttt tncntgcc 418
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&lt;210&gt; 2793

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2231

<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<400> 2793  
gtcagctntt tattgaattc ttaatatatg ctaggcatgg tgcttcnttg cttctactac 60  
atcttctngt ttgattcctta tagcaacctt gtangaaatt tggntgccan agattttaag 120  
tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180  
tctggangaa aaccntaac ttggattctg aatatchn 217

<210> 2794  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (204)  
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<220>

## 2232

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<222> (238)

<223> n equals a,t,g, or c

<400> 2794

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cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttagggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgac tatnattgtn aacctgtaca tncaattnac 240
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<210> 2795

<211> 437

<212> DNA

<213> Homo sapiens

<220>

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<222> (367)

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<220>

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<222> (384)

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<221> misc feature

<222> (392)

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<222> (420)

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<220>

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<222> (436)

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<400> 2795

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gtagcactgg aattagaggt taaaacatcc ttgggacgtg tgggactctg tcttctgtgt 120
ttctcaagcc tgcttggttt cccttgctt cattctcagt ggtgaatact tggtctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctcttcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttgggtggga ctggatttgg actgttttat 300
```

## 2233

atgtgtgtct gctcttgac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360  
gtctgtnttc cattttccat gaanccccc tnnngaata atttattttt tacaaattcn 420  
caaattccct ggctcna 437

<210> 2796

<211> 415

<212> DNA

<213> Homo sapiens

<220>

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<222> (198)

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<220>

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<222> (292)

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<220>

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<220>

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<222> (348)

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<220>

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<222> (379)

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<220>

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<222> (393)

<223> n equals a,t,g, or c

<220>

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<222> (405)

<223> n equals a,t,g, or c

<400> 2796

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## 2234

tgtgagacct aaaatgtaat tgaagttttt gcatgtgacc ctgcccttaa ttcagttgct 120  
ttaaaaaacgt ttgaacatag tagaaaatgt aacagtgttg ctcttagtgt ttctcatata 180  
tagggaataa aagaagangt tttataatag cacttgtctc acaagattta tgagcgattt 240  
gaattttaca gatctattcc taagcaaaag accttaagtc tttttttttt tnccttaaaa 300  
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360  
caaataatgg gttgggttna accctaaatt acncaattct ccctnctgaa ttggt 415

<210> 2797

<211> 449

<212> DNA

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<220>

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<220>

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<222> (68)

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<220>

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<222> (81)

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2235

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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (143)  
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<222> (146)  
<223> n equals a,t,g, or c

## 2236

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<222> (182)  
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<220>  
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<220>  
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<222> (185)  
<223> n equals a,t,g, or c

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<220>

2237

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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## 2238

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2797

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ttgngggnat tcctcataat nttanaganc cttcanaana ggnaaagacc ttttccttg 120
ggccaacca agggccnaan annaanaagg naaaaaaac ctttgggttc ccaaattccc 180
anngnaaagg atttggnaaa aacccaanaa aggncccaan agccgccttt aaccaacgg 240
naaaaatttg gggggggaag caaaagacaa tttntttct tgggccaaaa attccnccaa 300
ttccttggn accaaaaaaa ggnggggctt aaaattnatt tccttaagga accttcctta 360
ccaaanaggn aaatttttaa anaaccacat attttttacc anagnaaaa aaaaaanacc 420
angccccttg gtncanaaaa aagttgngg 449
```

&lt;210&gt; 2798

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

## 2239

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<222> (98)

<223> n equals a,t,g, or c

<220>

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<220>

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<220>  
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<220>  
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<220>  
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<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

## 2241

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aatcatntn tccttantnc tgactatect agntcccnng ttntgccctt tgcctgaan 120  
caactcaaca accaaanact aancttaatn acgtaggcat tcttcagaac gntccagn 180  
naaaattagn aaaaccggtc ctgaaactta ttccntggcc cggccnatca atccctnagn 240  
tccttgcaaa cgaccctcc nccatcgccc tnaacgacna tccctttntt accattagac 300

## 2242

aaggacggga aggggtccaaa acggannccc cttcccccttt tacccaatnn aagattcaga 360  
 tntggggggcc acccaaattg gggttancttg gaaannctta ccggaagggtt acacccgaac 420  
 ttaccggg'gcg aggacttaaa atcttttc 447

<210> 2799

<211> 124

<212> DNA

<213> Homo sapiens

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<220>

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<222> (41)

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<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

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<222> (72)

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<220>

<221> misc feature

<222> (103)

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<220>

<221> misc feature

<222> (118)

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<400> 2799

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 ggaaagtctt anatcacttt cttatacaag catgtggaaa gtntaaggat acaatccnaa 120  
 tata 124

<210> 2800

<211> 193

2243

<212> DNA  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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## 2244

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<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<400> 2800

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cggnttaaaa gcccttgcnt tgggggttcc caaccttggg cccgaaaaac cgggccccct 120
ttgnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180
gnccgcaaaa gcc                                     193
```

<210> 2801

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

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<220>

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<222> (37)

<223> n equals a,t,g, or c

<220>

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<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

## 2245

<223> n equals a,t,g, or c

<400> 2801

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agtgtggggc aagttaacct tcctttacca aaattcnaag gcccgaagcn aagttaaggg 60
ccgcccgttc cgggttaagg nttnaaaacc aaggggccca agt 103
```

<210> 2802

<211> 443

<212> DNA

<213> Homo sapiens

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<222> (34)

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<220>

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<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2802

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gaaacttagt ggcttccctc ccaccttttc acccaaaggt gaaatcgcca tgagatttgc 120
gaccgcgggc tcacccagtg ttagaaatct ccgtctctgc tacccttggt gccttggtgc 180
tgtttttctg acggtcattt agaccgtgga ggggttagatg ttctctacaa aaacgagaaa 240
cctctctggg tttttaggat tgtaggaccg aaattatttt atggctcggt gggaagtagt 300
atttcttggc taatttatta ttagctttta accttcatec acttnacctt ttaaaccctg 360
catgcctctg ctattgactg gtcttgccaa cgaaaagctt acgcattgca natacagtat 420
ttgcttctga gtggatcttg aaa 443
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<210> 2803

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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2246

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>

2247

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<220>  
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<220>  
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<222> (139)  
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<220>  
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<222> (146)  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2248

&lt;222&gt; (248)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (365)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2803

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gnaaaaacatn acatttntgn tacccaancc catcccaant ttagnctttt antggtttta 60
aaccttgga ccaaagncct tcccgaattt tttaaaaaac ccanggaatt ggtttcccca 120
attcccaang naaattggna acccanaagg naaaaaaaa ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaagg tttatannag agcccaaaa aaccanaat ttaaccctt 240
gggaaaantt ggccttctt gggttaagnc cccttaaaaa acttcccaa aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat ttttccact tgggtgccca 420
agggtgggta cttttggggc ttcgtttg                                     448

```

&lt;210&gt; 2804

&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

## 2249

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<222> (55)

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## 2250

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## 2251

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ttggaaaacc cttggggcgn canattagna ttattanggt tancccgnc aaagngggg 120  
aaaaagcatt gnaaanaaaa attttattaa anccccanag ggccaattaa aattaattan 180  
ggccacaagg ggaacttnaa accccccccct taattaaccc cttttccttg gcnanttana 240  
atttggaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anagggggaa 300  
gaaagacccc aaaaaggcct ttaaagngaa ccccccccg gaaaaaaccc caggaaccgn 360  
aaggcttaac cccttaaagg gaaaccaggc ctttaaaaaa aggaaggcca ccaacccccc 420  
ggttccttaa ttgggttaag gccaa 445

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<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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2253

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<220>  
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2254

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<220>

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<220>

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<222> (264)

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<220>

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<222> (279)

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<222> (312)

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<222> (375)

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<220>

<221> misc feature

<222> (393)

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2255

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&lt;221&gt; misc feature

&lt;222&gt; (446)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2805

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tccttccgng gggcccccgc naagcnaaaa aggnaacccc ttnccccctt nttnttgtct 120
tccccccacg gggggccttt ttntttaaag aagggnnttna aattaccnaa accccccaaa 180
ccctttgaan naanaaggaa ttcccccttc ccccccaang ngggggggggg gcccaanccc 240
ccaaattttt tggnnaaaaa aaanttccttc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggnaat tnccaacaag gcaaccnttg ggggaaagggn aacccaaaaa 360
agcttggggg ggaanacccc aaggccggaa aangcccaa cccggccttt ggcctttgga 420
aaccaattgg gccttcctaa ccaatncatc ccc                                     453
```

&lt;210&gt; 2806

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

## 2256

&lt;400&gt; 2806

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ctatcatatt tncaacttgg gtcccggtnc gatnttttca ccaaaccgct ccggttgtaa 120  
cttgggggga aaanacccc 139

&lt;210&gt; 2807

&lt;211&gt; 113

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2807

taccaaagga ccttngncaa aaaaaggggg gctttcctta anaaaaacca anaaaatttg 60  
ggaaattaag gntttttaat ttttaaccaa ttcccggggtt ccccttcccn ttg 113

&lt;210&gt; 2808

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

2257

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<220>  
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aactaactgg atcccccgga ctgcnggaan actgcacgag gnagctgagt ggtatgtgtg 120  
gtcgnctgtc cgcgnaaaac c 141

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<211> 75  
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<213> Homo sapiens

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2258

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<220>

<221> misc feature

<222> (22)

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agagcgtggc ccgta 75

<210> 2810

<211> 450

<212> DNA

<213> Homo sapiens

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2259

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## 2260

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<400> 2810

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ccccctctgta acanaatnaa ttctctggat ncatccatt atccccntta nagnaaccac 120
cgngaatttt cctgnggggg gcccagnngn aagagttaa gnatgtctaa tcctggaaca 180
aaagnccttt ccctgggggtg gttcaaacc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg gggtcttatt aggaaattgn agccttcctt ttgntentgg 300
aacgntcct tgtttggcca tcccccttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tgggtgggaaa aggatgggga ggnaacagna tggacatctt 420
ccaagttaa gcttcgttaa tataacctga 450
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<211> 438

<212> DNA

<213> Homo sapiens

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<220>

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## 2261

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<220>  
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## 2262

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2263

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<220>  
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2264

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<220>  
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<222> (336)  
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<220>  
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nggggaaaaa gnaaccctct ntntnccttt tccctcaagg gtttaaaaang gtttggnnttc 120  
ccaaaaaggg ttttaaccga anggnaaatt tggnccttt cccnttnttn tttggggaaa 180  
ccntttnttt aaatttnggn aaaattnggn gggggggggg gttttttnaa atttgggntt 240  
ttcccccccc caaanggnntt ttaanaaga aaaccccccc cccaaanttt tttngggggg 300  
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaaatt 360  
taaaaccccc cccccctttt gggaaaacct ttggggggga aacccaaacc cccaaaccca 420  
aagggccctt ttttaaag 438

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<212> DNA  
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<220>  
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<220>  
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<222> (46)  
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<220>

## 2265

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<223> n equals a,t,g, or c

<220>  
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ctttgaagan cacataccaa gaacatcaag agaactcnat atnaattcaa tataaaaagct 120  
acnattcaag gccattatc tcttttgagt tagaaaagcc caatggagag ccactcacgc 180  
aaatcaatac cctttccttc tctcagttgg gagccagaca tctctaacta tcctctgaat 240  
taaactggat ttttnaaatg tttttctgtc cctnaactct ttggatcctg aagtcacct 300  
ttctttgttc catcaatctn gctccataat accattactc caacttgntt gaacanttat 360

## 2266

tgggcatatg

370

&lt;210&gt; 2813

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2813

ggttttttttt tttttttttg natttgaaaa atgcaatatt ttccccngnt ttnt

54

&lt;210&gt; 2814

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2267

<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<400> 2814  
tgctcgtagc tncctctat taanggaaca aatgcnggct nctccaccga aagtggcggc 60  
cgttctagaa ctagtggatc ccccgggctg cagganttc 99

<210> 2815  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)

2268

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (438)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (538)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2815

```

gctcctctag gctgaaatta cctggagaag catcacagca ggtactctct gttccaggaa 60
acagaaggta gccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttggag aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaatagggtt agtggctaag taaaagggtgt 240
gtggagcaac cacaaaatga ttcagggtta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaactnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcctttcctg ctttttgtgt ttttaagatnt 420
ctccccgttc caatgttntt ggccctgggca cnggaattat acnctacaa ttacanctga 480
aaaattctg tttactctca tggnccttgac atgc aaancc tccttttcac atattgantg 540
ctaat 545

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&lt;210&gt; 2816

&lt;211&gt; 118

2269

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 2816  
angctcgnta natccctat tataaaggga acaaangcgg gccnctccac cgaaagtggc 60  
ggcgtttcta gaactagtgg atcccccggg ctgcaggaat tcgncacgag ttnnattc 118

<210> 2817  
<211> 351  
<212> DNA  
<213> Homo sapiens

## 2270

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2817

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gccagatttg gtcccaaagg atacgactgt tagcaaaaac caaatttacc tgctaaagga 60
tgagctatgt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaagtgttt gagacagcag catctttgga gtaagtgcc agcctccaga ggaaccctgg 180
taaagggaag cagtgggtctc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctctttttct gggccatcct tcctatctgt gttcacaat c 351
```

<210> 2818

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2271

<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<400> 2818  
tgcgcgttng cgtnnctcct taccaaagga acaaattcgg ctctccacc gaaagtggcg 60  
gcennttctag aactagtggg tcccccgggc tgcaggagtt cccacgagc agcaaaacaa 120  
cnacnaaggn tctgtntttg cagagggggtc tatcatgctt ttaagaaata agaagagtac 180  
cgganagaaa ttcnatnatg acattagagt attttggatn tcnttaaact ttgtccat 238

<210> 2819  
<211> 113  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2272

<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<400> 2819  
gcggcacgag cggcacgagg ggggggcccg tacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgtc gtgactggga ancccaaacn nnn 113

<210> 2820  
<211> 132  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

## 2273

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 2820  
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60  
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntcctaata 120  
gtttgaantt ac 132

<210> 2821  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 2821  
gcggcacgag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaacaant cgtnactggg aaacccaaag annnat 106

<210> 2822

2274

<211> 132  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 2822  
tgntnttaac tcgtanggca aagtaactca ctgggtggggc gctctaaata gtggatccgg 60  
gggctgcagg attcggcagc agctcntgcc canctccgtt anatacnacc acctgcttcc 120  
tccttgcnat cc 132

<210> 2823  
<211> 101

## 2275

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<400> 2823  
gctcgtgccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggcgcgtcg 60  
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n 101

<210> 2824  
<211> 70  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

## 2276

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2824

gctcgtgccg aattcggcac gaggtttttt tttttttttt tngggnccttt atttgntnaa 60  
ataacnctaa 70

&lt;210&gt; 2825

&lt;211&gt; 102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2825

cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60  
tgaaaatata tcnacttttg agtgaccagg tcatgttcct ga 102

&lt;210&gt; 2826

&lt;211&gt; 308

2277

<212> DNA  
<213> Homo sapiens.

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)

## 2278

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2826

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gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgcga tctctnanca 180
ccatttggtta gcctccatct gctcagtggtg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc                                     308
```

<210> 2827

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<400> 2827

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gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcgttgggc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
ctttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaat cttgaaccc                                     319
```

<210> 2828

<211> 113

<212> DNA

2279

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2828

gcggcacgag cggcagcagg gggggcccg taccgaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgctc gtgactggga aaancaaann nnc 113

&lt;210&gt; 2829

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

## 2280

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<400> 2829  
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60  
catangggcc aactaagctt cgtagccctc gaaatacngg gagtgccccc tctggaccct 120  
cgagcccaca gtccatccac cacanagggtg tctgctgctc atcagatagt tcctaccaag 180  
aaaatgctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240  
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn 283

<210> 2830  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

2281

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 2830  
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60  
ganagttcct catccgcctc cttgctcgcc ggagccgcca c 101

<210> 2831  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<400> 2831  
gctggtgtgg aggcagttgg gagctgtggt cctttgggtcc ccagactccc cctgaatctg 60  
ctgtctgcgc gttcattgat gtcccttgc tatgccatgt gctttcacaa gccgttgctg 120  
ctgcctgcag tgcccttttt ttcattctgg agcctgacga gcttctgact gtagactctg 180  
tcatttcctt caggatgcct gcccctatgt cttgcagttt ngtcttctct gtgctccctt 240  
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300  
ttaactgtat taattcagtc tttcagtata cacttattta ttttttaagc tcttataacc 360  
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832  
<211> 159

2282

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<400> 2832  
caatttcntn ccttgtttac gtaaatTTtg aaagattgca tgatttcttg acanaaatcg 60  
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120  
ggttgtnncc cctccatctt caaataaaaa aatgaccnc 159

<210> 2833  
<211> 130  
<212> DNA

2283

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2833

tcttgtcgaa tgcncctana cttaaagggg acaaaagctg gctcctccac cgcnagtggc 60  
ggntnctcta gaactagtgg atcccccggg ctgcaggaat tcgncncgag ccatettcca 120  
gtaattcgcc 130

&lt;210&gt; 2834

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

2284

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
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<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 2834  
gtaaatntaa' tgggggggttg gatttgaatt tngtanaaan gggtttgggg gncgcncccc 60  
caaaaaaatc nttttttttc tcggagttan tgggatcnc 99

<210> 2835  
<211> 326  
<212> DNA  
<213> Homo sapiens

<220>

2285

<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
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<222> (191)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (229)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<400> 2835  
ggagcaccct ggtcacctgg gggttgtggt tagagtgcc tccagccaag cctgcagccc 60

## 2286

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agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctgggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagccac ctgaaagga agctgcattg 180
aatncagtca ngacctgggc ttagaggctc acctctanac agcatnacnc aaagggttng 240
gggggtctcc tnccggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgccncttt aattggaaac caccce                                     326

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<210> 2836

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2836

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gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt ttacaacgt cgtgactggg aancncaaaa annn                               104

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<210> 2837

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

## 2287

<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<400> 2837  
gttttctttt cttttctcca actgcttgat aatgccttgc cctatggttg ggcccagaag 60  
cacagcaagt tctggggctc atttttgagc caattcttgg tagaaggggtg gggcatccca 120  
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180  
gcattgatta ttttatcctc ctttttgcaa atgttccatc ttggaccaca ntgattttac 240  
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa 296

<210> 2838  
<211> 96  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<400> 2838  
gcggcacgag ggggggcccc gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgctcgt tttacaacgt cgtgactgac cnnaaa 96

<210> 2839

2288

<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 2839  
ggatggatgg attttaatcc agttttcata atgatacaat gggttgattg cagcattttg 60  
atgtggggaa tataaagata ttataaagga agatttattt tttaaattaca atttttgaaa 120  
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180  
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac atttttttta 240  
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcttatt 300  
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

2289

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 2840  
gttcactcac gcatacacat atttgaagaa aatactcaga tccttcctta atgaacatag 60  
ttccaagtat gtcaatacta gatatcactg gccacagagt ttgggacat agtttgtaat 120  
ccttaattca tgtagagta tctgagttta ttcacttgag tgaatttaga aactttactt 180  
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt tttttctgaa agtctaattt 240  
nnttcttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300  
cnc 303

<210> 2841  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<400> 2841  
gcggcagcag gggggggcccgtgtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cgtgactgac cnnnaaaa 98

<210> 2842  
<211> 60  
<212> DNA

## 2290

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2842

gctcgagttt tttttttttt tttgggggggt ccaaaatttt atnancnttt tnnaaaaaaaa 60

<210> 2843

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

2291

<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<400> 2843  
gttttagtat cttgatgctc ctgtcaaaag ggaaatgagg cttttaaaaa taaagtacct 60  
taattcttta ttgacttttt gccctaaatt gctaggtgtg acccagcaat cttttaggaa 120  
gagattttac agtggtgctt tatttatatc aataatccag tatagttagg ctgttcattc 180  
ctcataatag antacataac agaaaattgg actttcacat ttccatattt agccttccca 240  
tttaaatccca aaatctctgt attctcatct naaaaacgat ccccatcca attatggtnc 300  
caacccccctt ggtntaanat taaattacct ttattanttt tcttaaacad ttggaatttg 360

<210> 2844  
<211> 176  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

## 2292

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2844

ncggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60  
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120  
gtctgtcctg tttcgggctg ctgcncgtcn tggctgtctn ctgccattca ggtcnt 176

&lt;210&gt; 2845

&lt;211&gt; 111

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

## 2293

<400> 2845  
gcggcacgag ggggggcccc gtacccaatt cggcctatag tgagtcgtat tacaattcac 60  
tgcccgctcg tttacaacgt cgtgactggg aaaccaaact tncncncnn c 111

<210> 2846  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
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<222> (241)  
<223> n equals a,t,g, or c

<220>  
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<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<400> 2846  
gggnaatctg gggttttgta aagcacgtta gttcagattt gaaatttaag ataacgtgac 60  
tatcctggac agaggtgtgc cagagcagat actgcattac catattactg gtgttaacag 120  
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180  
acttaatgtg atcagttctt ccgaatggtg atcagttatt ttaaatactt tctttgatnt 240  
ntgccccctt ncccttntgc cccnggaaaa ca 272

2294

<210> 2847  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
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<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 2847  
cccccccccct tttttttggg aaaattcncc tatccgnccc cccccccctt tttntttccc 60  
gnaaaaaanaa aattttttta naacccccgc cttcccna 99

<210> 2848  
<211> 540  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 2295

<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
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<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
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<222> (214)  
<223> n equals a,t,g, or c

<220>  
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<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)

## 2296

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

## 2297

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
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<222> (457)  
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<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (495)  
<223> n equals a,t,g, or c

<400> 2848  
gcagcaactt ggaggcatac cctgtggtat aattgtgtag atgggggtcc ttgtgactgc 60  
caaacgcctg agatctgtcc ccaactccagt gantttccca gggcgagggc gcctgtcaag 120  
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180  
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

## 2298

```

ggaaaaggaa aagaaacgaa tttccagaat tgttttgcat tnccttttgg ttaaggcncc 300
agggaatngc cattgaaaaa cccccctna aaaaaantnc tttaaaaagg gcnccccccc 360
attccccctc tgggcccccc ttttncncnc ncccntaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttccccctn naaccnnggg agggcccttt aaattttcca 480
atttaatttt nggnnaaaat acctttttga atacccecaa acctttttaa aaaaaaaaaa 540

```

&lt;210&gt; 2849

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (371)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2849

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gtggagctcc aagcggaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt cttccagtat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaattgaa accttcgctg aaaaaaacct tctactgaaaa 240
aatgttaaac acaaaactgga aatatctgct taggacctta gaatgctgta aaaacagaaac 300
ctganaagaa ntcacagtc accaanctgt ctgtggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac

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&lt;210&gt; 2850

2299

<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
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<400> 2850  
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tgcctattat gtgccc 76

<210> 2851  
<211> 99  
<212> DNA  
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<222> (94)

## 2300

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<220>

<221> misc feature

<222> (95)

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<220>

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<222> (97)

<223> n equals a,t,g, or c

<400> 2851

ggggggggccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60  
ttttacaacg tcgtgactgg gaaacccaaa annnntntt 99

<210> 2852

<211> 118

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (104)

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<222> (111)

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<222> (114)

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<400> 2852

gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
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## 2301

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tggccgtcgt ttacaacgt cgtgactggg ancccnaaaa 100

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2302

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attggatncc ccnggggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120  
tctgggttgc nt 132

<210> 2856  
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<212> DNA  
<213> Homo sapiens

<220>  
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## 2303

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tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa cnttttcatt cccctntat 120  
cntccnacnc 130

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<223> n equals a,t,g, or c

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<220>  
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2304

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (543)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (575)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2857

tcacgcgggg gcgtctanan tatggatccc ggctgcagat tcggacgagc aacaatgact 60  
aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120

## 2305

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atctctttat tactaagtta tcccttttaa tcantttttt aatttgcccc aacaaactta 180
aaaccctccc tccggggaaa ttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaacccca acccccaaaa acctttatctt cttttatctt aaaaaccctt ttaaagnccc 300
caattgnggg ggcccaattc cccccccctt ttttaanttt gaaaaaccgn gggggggggg 360
ccccaanctt ttgaaatttt tattttgggg ggggtttttt ccggccttt ccttataaag 420
aaaattttta aaaaaaaant ttgccccctt taaagcccc ccaccttttc ctttttaaan 480
ccaaccanna ngggggaaca acccctttac ccccccccc ttttattccc ccccataact 540
tanttttatt taattcgaaa aaaccattta agcctactt ccatttccaa acccaattaa 600
gcccttnggg cggtaacgcc cttaaccgcc t                                     631

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<210> 2858

<211> 207

<212> DNA

<213> Homo sapiens

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<222> (52)

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<220>

2306

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actggtgcag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120  
cctctccctt accccttgnc cgccacggtt tttctcactc ttccggggtg tgnaaataac 180  
tctcccancc nntggctcctt tccacaa 207

<210> 2859  
<211> 105  
<212> DNA  
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<220>

2307

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<400> 2859  
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tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg 105

<210> 2860  
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<212> DNA  
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2308

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<222> (166)

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<222> (196)

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<220>

<221> misc feature

<222> (197)

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2309

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ggctgcngga attcggcacg agcgggaacga acaagccttt gttatgaatt ttantcatta 120  
cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180  
actgtantgc tcacannggn ttctctggana acatctgccc gtatactaag tcccnctct 240  
gctgcctaga aaactgaccg ggtctcacc ctcgtgaaaa tcttggtgnt ctacgaagtc 300  
n 301

<210> 2861  
<211> 159  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature

## 2310

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<400> 2861  
gggggggggcc gcttgggggg cggggggggn cggcatnan aattaaaaga aaaaacntta 60  
aagtttgggg ggaaattctc tcccccccg gggggggctt gggcaaagg gggaaaantt 120  
tcccgggggc naaacggnaa agggngggaa aaaatcct 159

<210> 2862  
<211> 115  
<212> DNA

## 2311

<213> Homo sapiens

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<221> misc feature

<222> (54)

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<221> misc feature

<222> (62)

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<222> (87)

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<221> misc feature

<222> (108)

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<400> 2862

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tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcnc tcgct 115

<210> 2863

<211> 185

<212> DNA

<213> Homo sapiens

<220>

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<221> misc feature

<222> (15)

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## 2312

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<222> (53)  
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<222> (159)  
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<220>  
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tctanaataa tggatcccc gggctgcagg aaattcggca cgagctaagg ctcaggggtct 120  
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gtttttttct 180  
gacan 185

<210> 2864  
<211> 105  
<212> DNA  
<213> Homo sapiens

2313

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (80)  
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<400> 2864  
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cccaaaagggt tcaacaccan aatatatntt attatcaacc acaat 105

<210> 2865  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature

2314

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2865

ggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60  
cgtggcagcc gctctaaaac taatgnatcc cccgggctg 99

&lt;210&gt; 2866

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

2315

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<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
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<222> (118)  
<223> n equals a,t,g, or c

<400> 2866  
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caacgtgcaa cttccctacg gatentccct taatcccggt tcatccgata ccatccnnct 120  
c 121

<210> 2867  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (133)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

2316

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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (395)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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 gacaacctgg tanagctttc agagacattc ctgggggttg agcattgggc tccatagcac 180  
 tgnaatacta caatatagaa cttttaacgg agctgttnaa gttctgaaac tttactttat 240  
 cagtaaaatt antatggtaa tgcataatctc agagttgtca tgactatgaa tgatngagta 300  
 tgaagtccta gaatgttggtg ggacttnccc taaatttttt cattttccct tctctcctat 360  
 tactaanggc atctactacc attgtgtgat naaannaaat gaaac 405

<210> 2868  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

2317

<222> (264)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (417)  
 <223> n equals a,t,g, or c

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 ccttgagaga gtttccaggc cattgcatag gggaaacaggg aatcctcacg ggagcctgtt 120  
 ggatcccttg agttgagggg gatggagctt agagtctagg ggatataaaag gtacctggga 180  
 atttgctggt cagagagggg gagagaggag agagctgcac agaaagcaaa ctccagagat 240  
 ttgcagaaga ttctctcttg agtnttcaac atagtatgca actaatgttc ataggggcat 300  
 cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgacacn 360  
 cccataggac tgaaagaaag tgactatttc ngcccgtncg gactggaaaa aaatctncat 420  
 gattccct 428

<210> 2869  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (10)

## 2318

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<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 2869

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gggggggttn attnactcta atgccccctcc tttaatggaa aaaactggac tncccgccnt 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tcctgtctc tcctcantgg acatcgtctg naaaccttg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaan ac                                     202
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<210> 2870

<211> 446

<212> DNA

2319

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

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<220>

<221> misc feature

<222> (307)

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<220>

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<222> (340)

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<220>

<221> misc feature

<222> (359)

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<220>

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<222> (374)

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<220>

<221> misc feature

<222> (381)

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2320

<220>  
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<220>  
<221> misc feature  
<222> (404)  
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<220>  
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<222> (432)  
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<400> 2870  
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ccgcaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120  
cctgtttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180  
acctgggcac ttagattacc tgattacgat tactctccg attgtgacac aactacacac 240  
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaca gactatcgac 300  
taagaantct cctcccattt ggctcctaaa cctcgctccn tcatcacatt tcacgtatnc 360  
cgttcccgtt ccnccaaac ntaggatgga acnccctgcc ctgnttcccg gccctaggcc 420  
cttttatatt cncgccaaaa aaaaac 446

<210> 2871  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<222> (222)  
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## 2321

<220>  
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<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<400> 2871  
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60  
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120  
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180  
gagaccactg tgccnggatg tttacacagt ccatgctatg tntcgggaac tgagacngtn 240  
gatcnaccat tc 252

<210> 2872  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
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<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

2322

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2872

cggnangagt cgctctactt aatgtctatg atttggttcta tganttaaga agtnngatgg 60  
tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatacatc tgttgn 116

&lt;210&gt; 2873

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2873

gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaacaagt cgtgactggg accccnaaaa nnnn 104

&lt;210&gt; 2874

&lt;211&gt; 330

2323

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (289)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (299)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2874

ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60  
ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120

## 2324

gactacgaag ggctgcttca gagtccaatt aagaagagag nctggggcatc aaaagaaaga 180  
accggattgg tggctgtatc ttcattcccnc nttaagcag tggagatcct gaccagattc 240  
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng ccntgtccnc 300  
ttatcccaac ttgagncagc gcnaccagtc 330

<210> 2875

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

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<222> (74)

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<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

2325

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<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
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<222> (186)  
<223> n equals a,t,g, or c

<220>  
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<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

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anccnttcac gtgntgttan ntgacacaat ngctctaaaac tgtctagtnt ataaacgtgc 120  
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180  
atccancctg acccccnacc agaagcagta atgccagnct gattca 226

<210> 2876  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>

## 2326

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<222> (208)  
<223> n equals a,t,g, or c

<220>  
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<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
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<222> (255)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
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## 2327

<222> (360)  
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<220>  
 <221> misc feature  
 <222> (368)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (380)  
 <223> n equals a,t,g, or c

<400> 2876  
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 caatgcaagg ctgatctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120  
 ttttcatgtt cccccggatc tattagtttt attttttaga tactccatat nacatacggt 180  
 tatgcttttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240  
 atanatatag aaatnatcac gggttattca aatttctana tcctgtgtcc attataagta 300  
 ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360  
 tgatttttnca aatttgcatt cc 382

<210> 2877  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (71)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (81)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (207)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (221)  
 <223> n equals a,t,g, or c

2328

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<400> 2877  
gtttanctgt gtataataaaa aaaatggaaa ataatggtgg ctttgaagat cgtttctacc 60  
ccaggtaaaa naaacctgga ngtaagcagc cgggggttg catgacagct tcagggtcat 120  
caagtccttg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180  
gggtctaata cagctgccat gctccancta tcacattcca ngttagcaag anttgaagag 240  
aagaaaaagg tatgcctttc ccttttaaa gacagtgcct gacctaacac ttctattcca 300  
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgcaa ananatt 357

<210> 2878  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2329

<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 2878  
ggnggggtatg atncnccttc aattaacncc taaaggacaa aacggacccc cgcgngggcc 60  
gctctaacta tggaccccggtgctcagaatt cggcaccgagg ggn 103

<210> 2879  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
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<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

2330

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2879

gcggcacgan ggggggcccgtgtacccaattcgccctatagtgagtcgtattacaattcac 60  
tggccgctcgttttacaacgtcgtgaactgggatccccaaaa nnnn 104

&lt;210&gt; 2880

&lt;211&gt; 237

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2331

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<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
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<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2332

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (178)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2880

ggggcgccgg ctccaagccc cgggatgaga atcctnggct actntatcct cnctngaagc 60  
gnngctacnn nnncnngagg aagtggggaa gggcngactt gggacctgng gtgtctgatg 120  
ttnaagngtg gtgatcactg tgnnacatct gtactcctga aaatgtcagg aatcaganct 180  
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct 237

&lt;210&gt; 2881

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2333

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<222> (45)  
<223> n equals a,t,g, or c

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
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<222> (64)  
<223> n equals a,t,g, or c

<220>  
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<222> (87)  
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tggggncatc gtgctnttng gaaccaggnc cctaaaanaa taaantanac tcacccggtg 60  
ccgnccctct aaactattgg atccccnggg ctcaagaat 99

<210> 2882  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (96)  
<223> n equals a,t,g, or c

<220>  
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<222> (100)  
<223> n equals a,t,g, or c

2334

<220>  
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<220>  
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<222> (216)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (230)  
<223> n equals a,t,g, or c

<400> 2882  
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acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120  
tattcttggga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180  
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctctaccaa 240  
ggctattaac aat 253

<210> 2883  
<211> 102  
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<220>  
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<220>  
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2335

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<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 2883

gctagtctcg aggggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60  
actggccgctc gttttaaacg tcgtgactgg aaccnaaann nn 102

<210> 2884

<211> 135

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (33)

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<222> (111)

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<221> misc feature

<222> (113)

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## 2336

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2884

ggggggggng ggttgatacn cgtcaattac ccntaaagga caaacggact cacggggggg 60  
cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancncttn 120  
ccctgagtgc catgt 135

&lt;210&gt; 2885

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2885

gcggcacgag gggggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact 60  
ggccgtcgtt ttaaacgtcg tgactggncc cnaaantnnt t 101

&lt;210&gt; 2886

&lt;211&gt; 255

2337

<212> DNA  
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<220>  
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<220>  
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2338

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<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

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<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<400> 2886

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caccagggtg gcaaaaaccc aaactcacct cttgggattg nancacnaaa ttgcaatcaa 120
tnantttccc tgcggattac tgcntgagga atttgcatta ctgnctcent cggggggttcc 180
ccacgctcga nactcatgtc cgtgtagacc cattctcata tatcgcgcca cgcggaac 240
tatatgtgnc tcnca 255
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<210> 2887

<211> 193

<212> DNA

<213> Homo sapiens

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<222> (29)

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<220>

<221> misc feature

2339

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<220>  
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<220>  
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<222> (168)  
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<220>  
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<222> (172)  
<223> n equals a,t,g, or c

<220>  
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<222> (176)  
<223> n equals a,t,g, or c

<220>  
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<222> (183)  
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gtcccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120  
ttcctcccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180  
tcnaaaataa ttt 193

<210> 2888  
<211> 281  
<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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## 2340

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<400> 2888  
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ggaccaaact cagcaccact cgagcctgca aaccttctcg ggangacagc agccaatgcc 120  
ctccctggga atgctccac tgtgctgtga agaactgatt ttggtttttc accactctgg 180  
atcgaatatg ctncctccca cctctcttga tncacctggg ttaactatta tactcatntt 240  
tctttttgtg ctctcaacca tntcaaataa tcnaacctcc c 281

<210> 2889  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

## 2341

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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (273)  
 <223> n equals a,t,g, or c

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 ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120  
 cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180  
 ggtgctaagt tgcaactgcg ccatcttttt ctagctgtcc gatccatent ttaattgaat 240  
 ttaagggtgta tggttcgatac aaacntanan tcn 273

<210> 2890  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

2342

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (17)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>

## 2343

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<400> 2890

gctcgtgccg antcggnacg agtntttattg tccactanat gctcgtntna attgaagata 60  
atagngattt tagaaaagan ttgaanggat gttgttttta caattangna agcacagaaa 120  
gacacaaacc ccagacatct agctctccac gtaca 155

<210> 2891

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

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<220>

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<222> (12)

<223> n equals a,t,g, or c

<220>

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<222> (38)

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<222> (44)

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<220>

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<222> (52)

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<222> (64)

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<222> (148)

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<220>

<221> misc feature

2344

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<220>  
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<220>  
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<222> (193)  
<223> n equals a,t,g, or c

<220>  
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<222> (199)  
<223> n equals a,t,g, or c

<400> 2891  
gaaaacacta nngtgcttct ttaatatacc aaaattancc caanacttga cnaaattaag 60  
catncactgg gagcttaggg aaccaatcct tttagtgcc tattaatgag gtaaatatca 120  
cagcccatcc atcttaacaa agggatatnaa aatgacgatg tgcatgttnt gtgatgccac 180  
aaccttatnt atnagaatnt atactaaaga aaaaat 216

<210> 2892  
<211> 410  
<212> DNA  
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<220>  
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2345

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<220>  
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<220>  
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<222> (394)  
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<220>  
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<222> (404)  
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atatggatcc cccgggctgc agaattcggc acgacggcac gaggcaagga aaganaaaaa 120  
ttataaccaa gcataatata gcaagactaa cccctatacc ttctgcataa tgaattaact 180  
agaataactt gcaagagagc aaagctaaga ccccgaaacn acgagctact aagaacacta 240  
aaagacacac cgtctatgtg caaatatggg aagattatag taagcacaac tacgagctgt 300  
gatactggtg tcaagataat ctattcactt taattgceca aacctctaat ccctgttatt 360  
tangttgtcc aagaganngt cttgacctag aaanctgtta aatnaaattg 410

<210> 2893  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (24)  
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<220>  
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<222> (29)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (272)  
<223> n equals a,t,g, or c

2346

<220>  
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<220>  
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<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

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ggggccgctc taactatgga ccccgggctg cagaattcgg cagagctca gactgggaag 120  
accaggcaca atgataaaca tactggctgt tgggtgaca atgaccaatt gagtgtgtga 180  
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240  
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcacna tttatgattc 300  
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt 342

<210> 2894  
<211> 280  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (9)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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2347

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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 <222> (261)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (276)  
 <223> n equals a,t,g, or c

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 ntggcatcnc tgtgccatcg ttaccggttt ctggtctcta tgcgatncgt ggtctctngt 60  
 ctgctgatnc catctcggac tacgtgtata catcatcaac gaattgtgtt caactgctgg 120  
 gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180  
 cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240  
 cgaancacat gatttgtacg nctcgaaatg acacangtcc 280

<210> 2895

2348

<211> 158  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (128)  
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<220>  
<221> misc feature  
<222> (143)  
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<220>  
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<220>  
<221> misc feature

2349

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2895

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gcatgaattc gcacgagcat gctcgtgggc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn                               158
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&lt;210&gt; 2896

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (407)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (425)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2896

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ggagaatagt aatgagtttg agtgggaagg taaatgtttc actgttttta atctgatctt 60
tattaatgta ctaagggatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120
```

## 2350

gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180  
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgtttttttc 240  
atagctgttt caaaaaatat tcttgatnat tatggcatgc tctttttcag tcatcaatta 300  
aaacttttga aaaacatatn ttacatttgt gggaaggatt ctgaaaggag cattggggta 360  
cttttantag tgcctaattg cctcttgtga atgacactta attattnctt acccacttan 420  
ctatnttatc agattcttct gantctatca attcc 455

<210> 2897

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

2351

&lt;400&gt; 2897

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ggagaaaaat atatcagaat ggggcatact tagaaaaatg attaatactg cccaggaata 60
caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttggt 120
ttgttttggt ttagatgatg caaaattgag gggccttgca gccccagta acctttctat 180
ggaatcagac tcttgaaggt catantgggt atccattcaa tttcttttaa gttcatgtnt 240
ggaatggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata ttaccaggt accagaatgc ncctttggaa ttaccaant 360
ggggan                                     366
```

&lt;210&gt; 2898

&lt;211&gt; 390

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (319)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2352

<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<400> 2898  
ncggcagcag ataacactga aaaaaataac ataaccatgg ctttccttgg agtattttaa 60  
aatattcttt gtccatttac gatgaccggg aatttcacac catctgctgg acgtgaaatg 120  
aaacccagaa agtgaaaggg gaagagacga cggctctgcag gcttcagggc ccagccgtgg 180  
gcccagggtcc atgtggctgc tgccttcctt ttcctgctgc tgcgtagcct cctcttctct 240  
gaccggntac cccgcancct cctcctcatt ttcctccctt acttttccca aggggggttct 300  
ccacttttat ttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccn 360  
aaaaccanaa ggcacttttc cagccattgn 390

<210> 2899  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)

2353

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2899

```

gcttgagcct ttccctgctg gaatgccttt tctgacaag ctgtagccct aaagtccttc 60
aaggcacaac tctgatgttg aactgcaagt ggatcatggg ataaactggg ttttacttta 120
atacataata gtattttcttc ctcagttttc ccttttecta ctctcagatt cctttgttgt 180
aggtggggccc aaanaaggac ccaccccaact nttecnngna tnccaggggg aaaacccggg 240
ggtggggcgag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctcccnc ccattaaaac tcaaaaantt 360
ccccccccc cttaaatcct ctccncccc gggangnaaa aaaaaaattt tagtgagggg 420
aat . 423

```

&lt;210&gt; 2900

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (189)

&lt;223&gt; n equals a,t,g, or c

2354

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

2355

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 2900  
aattttgaag gctctctccg caagcctctc aattggaagt ccctggctgc cttgagcana 60  
atttccgta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120  
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagttc aggaggatgat 180  
tctgagtcna tnggtttctt cactgagagag gactgancca agannaatct ttaacaattc 240  
nacctcgaaa tttctaattt caaccnaacc aaactatattt atttgaagag ggctanggtt 300  
caaaaaagtn cctttnttag tttgttaaat ccttccccc tnaaattcca ataaagtttt 360  
ttttaaaagg ggcattgngtg gctcccccca gcaaccacgn aaanaactta tcccgaattgt 420  
ttt 423

<210> 2901  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>

2356

<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<400> 2901  
gttttctgc acaaagcctt gcttttagag aatgcccaat aaggcaagaa aaagcatagt 60  
aacttggtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tatttctgtg 120  
taacttgatc ttctgtctag tacttgctct ataggtaacc aacactgaaa actttgtagt 180  
gatgactacc aaagaaaata catagtaaaa caacctttta tttccaaatt gttaaagagc 240  
cagccattgg atgctgctac atganttcca tgctcaagan ccattgtagt aaattaangg 300  
gtttctaagt ttttgggtga nttnt 325

<210> 2902  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

2357

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<400> 2902  
gttggttcttt aatacatgtg ttcctgttaa tattatgtcc aatcacaagt gcctgattgg 60  
ctgggtctana anagttggag aagaaagata caggtcttgt ttaatatcca ttcatgttc 120  
agctctcaaa atattcatTT aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180  
aaattcagaa ctntctccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240  
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggntt ncagcattcc 300  
attagaaaat ac 312

<210> 2903  
<211> 538  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2358

<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (378)

2359

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

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<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

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<222> (431)

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<220>

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<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

2360

<220>  
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<222> (492)  
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<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<400> 2903  
gggactgctt cgtatcaatt cccattttat actctttag ttggaanaat angaatcaag 60  
cattgtccat cttgccaaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120  
tcccatcang cagaanacca catttgtctt cantactccc ctccagctgg accgttaggt 180  
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaancca tccagttcct 240  
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttggt gctancctgc 300  
actgcatect tgttttaccaa attntccan ggncttnttg aacccccaaa aaagttttaa 360  
aattcccccc ctttttanaa aaaacaattt tttccnaaa attnccccct gttnaaaaat 420  
nnaancccca ntttttnggg cccccaaaaa aatccaaaaa aaaaaacccc ccttnttttc 480  
ccccccgggc antttttttn ttaaaagggg ggaaaaaatt cttctcccca atnttctt 538

<210> 2904  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

2361

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<400> 2904  
gcagtaatgt agtcatgcaa ttcagatttc aattgggata ttacaaacaa actcattggt 60  
ttgtgtttgt caaatatgaa tacatttata aacttagtga aaaataactt gatttctgca 120  
tggaataat ccaagggtat atatcactat tccttttactc tagagaaggc catttagttt 180  
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaagtgt 240  
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300  
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agttttttcc 360  
ccnnncnc 367

<210> 2905  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
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<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
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<222> (21)  
<223> n equals a,t,g, or c

<220>

## 2362

<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<400> 2905  
gctgganttt gcnctntctc nctgtcatgg ccatgattcg cggtcaanaa gcaaa 55

<210> 2906  
<211> 238  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<400> 2906  
gaaaaagtag ctgagatatt gatttctggc atgacagagt gaggagggtg atgaaacctc 60  
ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120  
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180  
nnncttgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt 238

<210> 2907  
<211> 105  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (101)

2363

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2907

gcggcacgag ggggggcccc gtaccaatt cgcctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaacccaaaa nnnnn 105

&lt;210&gt; 2908

&lt;211&gt; 381

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

2364

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<400> 2908  
gctcgtgccg aattcggcac gagctttggc tccanacgga ttggactgcc tgttctagct 60  
cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120  
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180  
ttagtttctg cctctcttat gacatgtact agtggttggtg gctctgtgtt actctgagcc 240  
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgcttc atgccgaaca 300  
ctccctcccc tcntgcccc cgccccggtg tttcctttag aaaaggcaag ggaantggcc 360  
tttactaatc cncaggnnag g 381

<210> 2909  
<211> 236  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2365

&lt;222&gt; (199)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (231)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2909

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gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaatagcc 120
ataagaaaatt agagtacttg tggtcattga aaccatggaa ttactccng gggngtggtt 180
atntgagaaa tccagggtnc taaaattttg aaccctaact tttcttttaa ngggga 236
```

&lt;210&gt; 2910

&lt;211&gt; 63

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2910

```
ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana taccacnag 60
tca 63
```

&lt;210&gt; 2911

&lt;211&gt; 58

&lt;212&gt; DNA

2366

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2911

gaactagtct cgagtttttt tttttttttt aancntngga cntggatttg attgacnt 58

&lt;210&gt; 2912

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2367

<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<400> 2912  
atntcatatt gnttcagcag acanaatgta cttcccttaa ctttcattaa tagtgtttac 60  
atctttngtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120  
ttttctcttt gtactgcttt gtcttgcatt gtgttccaac acatgagact tactgctcac 180  
tgaattttgg agtcttttag aggtaaattg tggactcagg attttttgaa acttggtgtg 240  
taactctaaa tcttgtatat gcattcttgt tgcttattac atatttacac acacaaccac 300  
aaattttaaa cttatgatga aaattttaca taacctgaaa agatccagan atttttgaga 360

## 2368

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420  
cnntagggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng 472

<210> 2913  
<211> 73  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 2913  
gtaaacacca tacnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60  
gcnatgtacc cag 73

<210> 2914  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

2369

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<400> 2914  
ggggaaactgc tcctccagga gactgctgat ttggcngga aactgctcct ccangantct 60  
cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg 108

<210> 2915  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>

## 2370

<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<400> 2915  
tacgcgcttt cgaaattaac cntcactaaa nggaacaaaa gctgganctc caccggggggg 60  
gggggcggtt nnaaaatnat nggntccccg gggtngaag 99

<210> 2916  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)

## 2371

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2916

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gctcgtgccg aattcggcac gagtatctcc aggcattcag gcattcagag caacagggtcc 60
tctgaattac tggcctgagc tgcccaccct tcctgtgcag agattgtggt gttatggggg 120
ccctttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaaac tngcggttag gggttttctc 240
aactccatgc nttnaa                                     256
```

<210> 2917

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2372

<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (472)

2373

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (490)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (496)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (569)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2917

```

nctagtggat cccccgggct ncanaaatgc ggcaggaggg aaaaatatgg ataattaaat 60
aactgatnna ttctatttga ccagaaattt acttttgtaa acattataca taaaataata 120
aagcataagc acatgctaatt ctgaatcatt ttcaagaaaa tgtgttaaata atattattag 180
gtcatattaa atattttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaatttttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtcttcc cctcaaatna cnagaaatgc cnggaacca 480

```

## 2374

gactgcttcn cnatnnggcc ngatngtttc accttccgtg gttattaatt ccncctaaat 540  
tgcaaaatcc cattctggga atnaacctnt ctgcct 576

<210> 2918

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

2375

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (431)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2918

```

gattttaagc taagaatata actatatcnt cttctcagcc caaatcaggt gtatatgtgg 60
tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagAAC atcactgatg 180
aagtagagtg aaataacntt ttattttccat acatatctgt aactgagctc tctaataattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatcctatc tttgaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaacccccg tggtccttta acctttgggt ggaggtgaac 420
ccgtttttta ntgacaaatg agtcctttga aggcaaacc caccaccnaa cc 472

```

&lt;210&gt; 2919

&lt;211&gt; 113

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

2376

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<400> 2919  
gcggcagcag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tgggcgtcgt tttaaacgt cgtgactggg aaaacccaaa ttntngtnen ntc 113

<210> 2920  
<211> 531  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>

2377

<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2378

<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)

2379

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

2380

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (530)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2920

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gccaaagggtg tctgaagacc ctgggtagcc ttccagggtca cagacatgaa cacaacctga 60
gggacttgagg ggacatatca aaagaaccaa catacacatt ttataagagt ccagtaggg 120
gaaagaaaga gaaaaatgag aaanngaaat ttttgaaaaa attatgttga aattttccca 180
attcanatna aaaaacttga ttttcnccncc caaaaanctt aatgaactgg ataaacnccn 240
taaaatttnc cctaaaacct nttcccnttt ttttttaaan tctccaaaat naaaaatcctt 300
tttgggaatat tnggggggaaa aaacncccc ctttttgtgg nccccnaaa aaaaannggt 360
tnttttttta accacngggg ggggggnggt ntttanaacn nccccnnaa aaaaaaaaaa 420
ccnccccct tttttttaac ccccccccc aaaaaaaaaa aatttntntc cccaaancng 480
gggggttncc ccaaaccccc ntttttttt tttcccccaa attttttttn c 531
```

&lt;210&gt; 2921

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

2381

&lt;400&gt; 2921

```
acagaaatct cattgatcct catctctaaa gcttggttta tcttaccaag cctacctacc 60
ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagttg tcccttgaat atctctctct cttgttagtc ctatggctac tgatgatcct 240
tgccttctcc cactttgact ttgttttaaa gaaaaatttt gaaccaaata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatgggggg ggggggtttca tagggggaaa gttggaaggn 420
gaa 423
```

&lt;210&gt; 2922

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

2382

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (381)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2922

```
gctgaggagt tgagaagggg gcggagactt ccagggtctac ctgtccatgg taaagcactt 60
gaacattagt gtaaggacaa tgggaagcca ttggcagggt ttatggaaga tgggtgttta 120
aatagatgtt tctggaagtg taagggtggac aatggattaa agttanacac cacactgaan 180
gcatggtgac tattttangca gctgttttagc agcagtcctgg acaaggatat atggtttctt 240
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300
ccccccctg aacctattta acttntttcc ttcnngtttt ggcctacctn tcctaagaaa 360
ancccggttt ttggccccc naaatttcct gccggcc 397
```

&lt;210&gt; 2923

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (192)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2383

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2923

```
gcggcgcgca ccttccccgg cgcagtctct tgccagccgg cgatcacgca gagctgaacc 60
ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa                                     310
```

&lt;210&gt; 2924

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

2384

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2924

```
gggnccccc ngtcnttgat aaactatttc caaagaacca gaatatgtcc tggtcacgga 60
cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtgnaga gagcaaatna 120
ttctnccataa gaacgagatn ccatgcagga agccagagt 159
```

&lt;210&gt; 2925

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2385

<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2386

<222> (232)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (243)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (249)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (252)  
 <223> n equals a,t,g, or c

<400> 2925  
 gagannctaa antacgaaaa gggtagcagg aanatgtgcg cgtgtgttaa tcctacgttn 60  
 acctcangnc nccannacna ctggnaattc tntatcttcc tacctccaat ctcgtagcca 120  
 aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttggtga 180  
 atattcctaa attcactatg actttttaaca cacaaagggt caacattaaa gncgtataa 240  
 aangtactng gnaccc 256

<210> 2926  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (49)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (50)  
 <223> n equals a,t,g, or c

<220>

2387

<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2388

<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)

2389

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

## 2390

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<400> 2926  
ctcgtgccgc tcgtgccgan ttcggcacaa acggcacgag gaacaggtnn tnaatctntc 60  
tttnntgtgn aatactnctc ccgtntgtnt atcaacctgc aagctancac gatgtttgct 120  
ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180  
tngaattact tttgatcnct cantntntat acantgtnta aaggtnntana acttcaactt 240  
tctcnataat attcaactct tcaatnactc tnccatcact tcctacttca atctgaattt 300  
aaactaccgt aaagtctcnn aacttttctt tgaantacta ctacccaggt tcaacttttc 360  
ttctttgtaa attggtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttt 420  
aaaggaacca atttactccn aattcttctt acncctgccn taanaaattn ccaataactn 480  
cctgtcaang tttttncctt naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540  
aaaaaaaaacn tcttttttcc 559

<210> 2927  
<211> 189  
<212> DNA

2391

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2927

```
gcctacttaa aaggaccaa agttggggcc ccccgcggt aaaangacga tttttaacta 60
gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccnch aattaccaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat                                     189
```

&lt;210&gt; 2928

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

2392

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

## 2393

&lt;400&gt; 2928

```

gcaattacta gctatnaata tattactttt taattgtgta tcaaaacacc caagcactga 60
gttaatatat cctgtgcaaa tatactaaac ctacttagtc tatccaaata tgtaactgga 120
tacactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnca 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcng 480
gggggtnact                                     490

```

&lt;210&gt; 2929

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2929

```

cctcttaaaa ggaaaaaant gggccccccg cggaagnngg cgctttttta ctagtggatc 60
ccccgggntg cagggaattc ggggngnccc cccctgcnt                                     99

```

2394

&lt;210&gt; 2930

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (424)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2395

<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<400> 2930  
gaacatattg ggcatttaac ttaaaaattc taagtcatgt tttctttttc cactataaga 60  
ttgtactagg tgatataaag ttcattgtcac ttaaaaattca acgactgtgt aagtagctct 120  
ttcagctttt cattaagttc atttttggaa atgtgcacat ctatgccatc attgggcagt 180  
tataatttgg ggattttaaac acctggcagt gattgaccac tgtgactttg cttattccct 240  
ttctctcctc agttaccgag ctgataccca gacataccag ccttatnaca aagantggga 300  
ttaaagaaaa aatctacgtg ctcccttccgt ccgcaggccc aacaagntgg ggaaattaat 360  
tgtttttggg aacacttggg ggggggtttgg ggttgggctt tnaaaaaaca agttttnttc 420  
aacntnctgt tatggaaatt ttgtttcata attatcccgt ttccnctttg ttataccnta 480  
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaancccttn cccctn 537

<210> 2931  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<400> 2931

## 2396

```

gaaccnatta tagcagcttt atttttcctt tttaagatta catttcaagt ttctgaatct 60
agtcctaaaag gtaattttct catatgaatg gtacatgggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgtttttatg ggaattaaac tcagaatagc 240
ccttcttaat aggtcttttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagatttttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtgggt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat 458

```

<210> 2932

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2932

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gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacnch t 51

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<210> 2933

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

2397

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2933

```
gctcgtgccg aattcggcac gagcccaaat gaattgctgg acccagactg tgtgcacaga 60
tggctgaaac agtcagacct acacctagga gatgagatca ttcaggttca ccgtgaccca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggatgatatt cttttccctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgttttggt gcataaagat naatttttgc catgttgctg ttaaaaactt 420
ctnaagaaaag gagatc 436
```

&lt;210&gt; 2934

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

2398

<220>  
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<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<400> 2934  
gcggcncgag ggaatgtttg ataccattat gaacaaatga gctaattatt ttatgtttta 60  
ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120  
atnagaatga ttaaaagttt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180  
ntctaatacat gatcttccaa taaaangtnt gtgggttggt gggaaaggan cagttggga 239

<210> 2935  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
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<222> (55)  
<223> n equals a,t,g, or c

2399

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 2935  
nccctnttaa aaggacaaaa gctggncccc caccgcggna agcggccgct ttanaacta 60  
gtggatcccc cgggctgcag gaaattcggg gacgncncn 99

<210> 2936  
<211> 700  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2400

<222> (260)  
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<220>  
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<220>  
<221> misc feature  
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<220>  
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<220>  
<221> misc feature  
<222> (546)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (677)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (692)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (696)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (697)

2401

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2936

```

gcccaaacc actccacctt actaccagac aaccttagcc aaaccattta ccnaataaa 60
gtataggcga nagaaattga nacctggcgc aatanatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttggaaca gcttaaagan cacaccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctgggt atagctgggt gtccaagata gaatcttagt 360
tcaactttga atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagangaac agctctttgg acactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggg aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacaccac 540
tacctnaaan atcccaaaca tattactgaa ctctcacac cccattggga ccaatctttc 600
accctataga aaaaacttat gtttggtata agttacattg aaaaacattt ctctcccgc 660
attaancctt gcgtccnaag ggataggggg cncganncaa 700

```

&lt;210&gt; 2937

&lt;211&gt; 102

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2937

```

ggcgccctna ttanacggct ttccgcttct ttacaatggg gaanttcccc catccccaat 60
ttttttttct ncnaaggggc ccaacctaac agtccccctt aa 102

```

&lt;210&gt; 2938

2402

<211> 664  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (631)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (635)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (648)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (653)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (661)  
<223> n equals a,t,g, or c

<400> 2938  
gatccccttc actttccctt ttccatcac gaccatctcc ccaattataa actgactaat 60

## 2403

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ttcaaaacat tcaaatcact gtaaaaattg ttctctttta caattttatt tcacaggtct 120
tccaagtgtg aaatattatc tcactaatag atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcattgaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagtaaatt cttatttagc agcagcattt aaatactaca acatttcaaa 360
aatcttcaaa gttccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
acaatgtttc ctccaaaaaa aaaaaaaac ncaanggggg gcccggtnc atnccccctaa 660
nttg

```

<210> 2939

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2404

<220>  
<221> misc feature  
<222> (438)  
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<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
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<222> (533)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<220>  
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<222> (566)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (605)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (633)  
<223> n equals a,t,g, or c

2405

<220>  
<221> misc feature  
<222> (641)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (643)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (646)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (650)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (653)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (662)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (684)  
<223> n equals a,t,g, or c

<400> 2939  
gttttagcat gatagtttgg gaaactcttg tctaataagc cagtgccttt gattcggttt 60  
tctttataat gggtgaatag tttgtcatcc tatgaatatg ctgctgttta gattatcttt 120  
gctttcttga tagacatttg tttccaggat tttgttcttg gaatagtagc cttttatat 180  
ctgtacacat atattactgt atatcagatt cttaaaaatg gaattaccga agcaaangct 240  
atgtncantt taaattctga tatatactac taaatgtttc tcttaaaaga ctacctanaa 300  
ataaatatta caaatattgg tgagctactg gaatcttaat gaaagacata aagttagatc 360  
tgaattaacn aaatgaaaca atgttttttc tggattgana catccctgtt gtngaattta 420  
ctaattttcc cccagtcngt gtctccaatn ttgtnttgtt naaaacttga cttttgatta 480  
naaaacctac ttaataaatg attccacaaa ttttggaaaa aaaaagccgt tcnggaaact 540  
tnttaaaatt ccaatccttt taaacnaccc tccttccgga acccggaag tccaaaactc 600  
tttctttttt ggcctttatt atttttaacc cctttttttt ncnttncggn ttntcccat 660  
tnccatttat ttattcccc cttncctt aaattaccct ttccccccc ttttggggg 719

<210> 2940  
<211> 736

2406

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (585)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (599)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (629)

2407

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (645)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (662)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (710)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (732)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2940

```

gacacggcag agatcagcaa gttttgtctc aagtcagaca aggtctangt ggccttggcc 60
ttatncaaag tgggtgacat atttgattat atttcctttt acctccatag tantcaggcc 120
agcagcatgg actgcaagaa cctaagggag caacatactt anctgcaaag tgagcaaagt 180
aattgagcct aggaatatgt gatgaaaatg catggctgat gtttcctgat ctccaaggag 240
actcccattt gctgaagttt tgcattgctta gaaatccact accgcaaaaa atacangaat 300
acctttaagt tgattattgg caatcttatt catatattag caagaaaaag ggagagatgc 360
ttactggtgg atgctataca gtcctctggt tttaaaagta ccatgagccg ctgtgcccgg 420
cccatttaat actgtttata tgctgcaaca gtggttgaaa ctgttttacc cacattccaa 480
tgaacttgan aaagcccaaa agaaaatttg gatttttagcc ancaagatta tggatgggtg 540
aaatttcctc tttagttctt taaacaagtt atctgttcat actanatttc catatctant 600
taaattacta actccatgaa tattttcana tatttccttt ataantctatt tctgctgaac 660
cntccctccc gtatgttccc tgtgacttcc aaanaaaaaa aaaaactttt ttttttcttt 720
ttaaaccatt cnacca
736

```

&lt;210&gt; 2941

&lt;211&gt; 648

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

2408

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (579)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (632)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (641)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (646)  
<223> n equals a,t,g, or c

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agaaacttat gagtttgaat taataaaatt actcttcctt ttcaaataga agcttcactt 120  
tgaattttat ttttggtctt tatttcaaaa tatctaaata tatgaagcca tacttgcagt 180  
anatttcggt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240  
ttccagggtca aaagggaaaa catcttagag gttatttagt ctaattctca agggaaaaga 300  
ataattctta gatggtgttc ttaaacatt ttaacacttt cttattcggt tgactgcaca 360  
aaggagcacc tttatatattg gctgtaatac atccagttna ggcatangga ttgctctacc 420  
ttcatattta ttttttaaat ttatcttggg ttaactaaat tagaaatata ctgccattcc 480  
catctttggt atcctaacgc aatccaaggg aataacctct tcagtagatc ttaaaatttt 540  
agtgtcctgt caaattaacc tcttcaatta atatatgtnt taantttgaa ggcaatgaat 600  
tttcttcctt ccttcctggt tttttttttt tnaaattccc nttctntc 648

<210> 2942  
<211> 526

2409

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
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<222> (166)  
<223> n equals a,t,g, or c

<220>  
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<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)

2410

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

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<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

## 2411

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<220>  
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 <222> (383)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (471)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (486)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (517)  
 <223> n equals a,t,g, or c

<400> 2942  
 naagggaag cataccgta ccantatgtg gtctgaanga ccccgaccgg catggccact 60  
 canacacaag tccacaccac agcactaccg tcccatccgt tctcatgaat nttaaatacg 120  
 aaaaagcaaa acaactactc ttaaaacttt ttttatgtct cnagtnaaat ggctgancat 180  
 tgcaganaac aaaaaaattc ccnctttttt attttttaaa aaccatcctt ncaattttctt 240  
 ttggtnacgg aanctactct cttttccttt taaaatcact tctctggcct ctggtttctc 300  
 tctnctttct ttctggcatn antaatntaa anggcgcttt ctncgccttt gcccattcta 360  
 cttncttagt naaacatgac ctntgcgtga atggaatagt ctggaccctt tggtngggga 420  
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2412

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tgttcattctt ggtttgact gaaatgttta acaatttgga atgtgaaatt gctacacgta 180  
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2413

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 gcctgcctga atctcaacgc tgacacaaag accattttgt ccgtgggtgg ctgtgaaatt 180  
 attgttgcta tttggggaca caagctgaan ggcctcctat ttcacttgc tgctgtcatt 240  
 ctgcgattat tataatgtta tcattggtga tttgatgatn agtcagcttt ttttgagttt 300  
 tatgaattct ggcagtaaaa aanttccaaa atgtctttca ctganctnaa ttccaggttt 360  
 ttancaaaan ctntnttct tctgganatt ananagacc anaatacctt ttttnaaaaa 420  
 attgtttact tgggttgatn ccaatcccg ctcctccatt atatactgtt tgaatttngg 480  
 tccacatacc tncctatctt tttnttecta nccttnanaa aagaattata tattantgnt 540  
 ccncaataaa attttgaaga attaatat ttaaaaattn ccaacccttt tttcaattcc 600  
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 acgtagnata agggcttctg nanccanana tatganacan tttcccncc tcaagatcat 180  
 tcantgtttt tcctttaaaa aaatgggtcaa tnaagctcct ttggcaaaat ccccnnaana 240  
 aacaagggtt tctttttccc atccctacc cttctgggaa ttttttaacc cccctttcca 300  
 acnacttccc ctattcctac cctggccctt ttttctagga atccttagaa gaattaaaaa 360  
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 ttaattantt ggtttntt 438

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ctatTTTTct cgctnttnaa tnttttatcc ncttcagcnn ttgtacngtg atctncatct 180
actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
attngtnacc ttaatatata tctgcagatt ttctccataa accanacntc tgggatcatt 300
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2426

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2428

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 aatttntncc taanaacttt tccttttnacc cnetttaaat ttcccccan tgcncceggga 180  
 ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggnccct tngtntaatt 240  
 nttncceccc ctnccttngg gctttttttt cctgggcctt ttnttttaa ctttttnact 300  
 aaaacttttt tnggtttgna nctcnantt ttnaccenac ttgggtttgt ttnnttggt 360  
 tnnngttngt ttaaancnct cgganatatn ntttttttna naaaatttna aaaattttgg 420  
 gnccttattt cttaattcat tttctgccc ctngncntc ctttanaccc cttangcntt 480  
 tttgggtaaa ttcccnttcc ccnggtnccg ggccttttnt tttttcnc tttccccccc 540  
 ccttccccng tnttnttctt aaaatncccc aacccccaan gtttcccccc aaccncnggg 600  
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 aaaccttccc ggaanaaant ttctttataa naaaaccctt aaaaa 705

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2435

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tgaaaatcca gccatgacag aaggacttct ccgtgcccaa gttaaatact tatatatatta 180  
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240  
taaaatgtta cagggattct ctctgangag cagtattaaa ggtgggtttt taaattcatt 300  
ttgtatgtat gaatttccta aattttttgc aatgagcctc ttttactttt gaaaaacatt 360  
tttaaaaatt cncctagca caattaatta tacttttttc tctaccnatt ttgggttcaa 420  
ttgtgcctcc cntattttat acttnaactg tttgntttta catgtttctt nttt 475

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2436

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&lt;221&gt; misc feature

&lt;222&gt; (317)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (412)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2952

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cagaatctgt ccatgacaaa cacaaaactg aagagctgtt ttcaaagaaa aaagattatt 120
tcacttaatt attttggttg ataattgtct agttagaact tccaaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtg ggcacaaaca ataagtatgt tctcttctgt ttgggaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccacaaa ccttctcaa tttangcctt 360
atttactcat gactgggttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
gttattctct tctgcattct natccccatt ttgtttctgn ctttatttgt taaaattgtc 480
tttantttta tggt

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494

&lt;210&gt; 2953

&lt;211&gt; 103

&lt;212&gt; DNA

2437

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2953

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tggccgtcgt ttacaacgt cgtgactggg aaaaccaann nnn 103

&lt;210&gt; 2954

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

2438

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 ttttttaaaa cagcaaattc gattaggaaa ctcanangcc caggggaagcc agtgacttgc 180  
 cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240  
 cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300  
 atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360  
 gccacccctt ccntnaaaag tcaaantcgt taattccaac tccnccccgg caccgggttc 420  
 tgcaccngtt attccaacag gctggacaaa aggctaaatt gantttgaaa nccaataatt 480  
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2441

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&lt;400&gt; 2955

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tctgaagaag agggagagaa agagaggaca gaaaacagag aanaaggag gtttgcattct 120
ggacggcggg cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
ataaggctca nggcacacgt tgccaccact catcncanga tgaagatac          349

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&lt;210&gt; 2956

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (319)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

2442

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agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctataactga 180  
atTTTTTTtat tgcaaaaatg tctgattttc tganactggg tttctaacta tttataaana 240  
aaattgggtt tggtctcttt ggaaaatgta naaaaaatgt anttgtgtgt tctaatagcct 300  
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360  
tnatanggct aaanttgtat gtttgttgct ntt 393

<210> 2957  
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<213> Homo sapiens

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<222> (291)  
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<220>  
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<220>  
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<220>  
<221> misc feature

2443

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2957

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cacggagcag agcagcccgg ggaccaacct ggaatactca gttcagacta ctgaggaaga 120
caaaataaac ttttatgctt ttaaaaaaaaa ttatggacag aacaatatta gaacaaaaaac 180
ttttatgatt ttccagcttc tgggggtttgt ctacggttac cagcagcctt gcccngctat 240
tgtttttatt ctgttccagg ctggctgtta acaaaatacc aataacgggt nnttcttaac 300
aacnttttct anaatttcct gggggg                                     325
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&lt;210&gt; 2958

&lt;211&gt; 494

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

2444

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aaagagcaaa ggctgaatca gggttttaat ggcctgaaat gaccaatttt ctaaaaacttg 180  
acagggttaga tgttaaaatc agacatatag gtccaaaca atcgattgca aaggancact 240  
tgttcaaaac actggctggg aatctgctca tgttgatgaa aaaccccagg gtttaaagtt 300  
aatttnaggt cntttttgaa tcngaataa cctggctgaa aanaatccca accnaacccg 360  
aaagaaacaa cctnccgga acccttacc cccctttgtg gaaaagaggg tnaaaaattc 420  
cccccttacc ccttgccnc aatttttttc cccctttntt tcttnttttt tncacccct 480  
ttaaaaaaac tttt 494

<210> 2959  
<211> 149  
<212> DNA  
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<220>  
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2445

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<400> 2959  
aactattgga tcccccgggc tgtatgnaat tcggnaacnan ctcgtgccga attcggtacg 60  
anagataact agtctcgagt ttcttttttt ttttctaata atcgtctccc ttttnaan 120  
cttatttaata anacttngtg caaatttaa 149

<210> 2960  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>

2446

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<220>  
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<222> (290)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<400> 2960  
gcggcagcag cctccatcct agatagacca tcttgagtct gctgtctgga ggctagatag 60  
ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctggtt gctgaaagtc 120  
ttcaactgta aactaggttg atttggagat tgataggtaa ccccgcttta caatagcatc 180  
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaac tcttgggttt 240  
tcccaaatta anaaaaaata aggtccccca aattttatta ttaattttan ggtttttttg 300  
ggntnnccg 309

<210> 2961  
<211> 531  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

2447

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (518)  
<223> n equals a,t,g, or c

<220>  
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<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

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gatcatttgt tgttttagaa gattgtcttc atctaaacaa aaacactaag aaatcagtag 60  
atcactagat aatgagtcag tgttttagc atcacatttt acaatttaca gtttttgttt 120  
gattctgtag cccatttttc ttgaagggtta gaataagaat cttcttgtat ttgaaaacca 180  
tctgccctaa attacattta actacaagaa atggctctct gctggagaaa tttaagcttg 240

## 2448

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tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300
ttnttatattg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360
gggtctatgaa aattgtgttg aagactaagg caaatgcttg ttccttgcca ctctccncca 420
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaac actgtaatcc 480
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncncccttaa a 531

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<210> 2962
<211> 122
<212> DNA
<213> Homo sapiens

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<220>
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<400> 2962
gcggcacgag ctctgtgccga attcggcacg aggggggggcc cgggtacccaa ttcgcccctat 60
agtgaagtcgt attacaattc actggccgctc gttttacaac gtcgtgactg gaccnnaaaa 120
aa 122

```

```

<210> 2963
<211> 494
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (174)
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<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

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<220>
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<222> (276)
<223> n equals a,t,g, or c

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2449

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>

2450

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<220>  
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<222> (469)  
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<220>  
<221> misc feature  
<222> (473)  
<223> n equals a,t,g, or c

<220>  
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<222> (489)  
<223> n equals a,t,g, or c

<400> 2963  
gccgaaggcc cagttcttcg aaagcctgtg gccggagctg gactcacagg attcgggggc 60  
cgtacagcgc gcacgtggta ccgcatcttc gccagcggcg cccctaatagc ccagccccgc 120  
cctgcttccct ttgccgggccc tgaacgggtgt cagcattgaa ggttggacgc cgantcncgg 180  
cgaattgggc ccttgcggtt ataaacttgg ggcttccta agggcggtgc ccgatngat 240  
gggggcnccct cttccacctg caactcccc caccgnaaaa cgcnaaaatt ncacatcncn 300  
ggccaacccg tcnctcccg gtttttcaag gggggccccc gggcaaaaag aacttaanaa 360  
ttgttttgggt ttttaaaaac catttncatt tggnatgggt ttctttttgc ccctaaaggt 420  
ttcaaccccg ggnttntgggt tcattgggccc catttttcaa aaaaccccnc ccnaattttg 480  
ttttttccna aaac 494

<210> 2964  
<211> 540  
<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (59)  
<223> n equals a,t,g, or c

<220>

2451

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<222> (76)  
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<220>  
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<222> (116)  
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<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<220>  
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<222> (149)  
<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

<220>  
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<222> (170)  
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<220>  
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<222> (187)  
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<220>  
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2452

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<220>  
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<222> (195)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (272)  
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<220>  
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2453

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

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<220>

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<222> (321)

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<220>

<221> misc feature

<222> (322)

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<220>

<221> misc feature

<222> (333)

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<220>

<221> misc feature

<222> (357)

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<220>

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<220>

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<220>

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<222> (389)

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<220>

<221> misc feature

<222> (397)

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<220>

<221> misc feature

<222> (413)

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2454

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<220>  
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<222> (425)  
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<220>  
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<222> (427)  
<223> n equals a,t,g, or c

<220>  
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<222> (431)  
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<220>  
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<222> (486)  
<223> n equals a,t,g, or c

<220>  
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<222> (496)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (502)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (504)  
<223> n equals a,t,g, or c

<400> 2964  
agtnttacct tcgcenntcg aaagccccgg ccctaaaagg aataaaagct ggagctccnc 60  
cgcggtggcg gtcgcncntag aactattgga tcccccgggc tgcataaatt cggcangagc 120  
tgcttccctc cctggantcc agagtcccn n tgctccgctg ggatattcan taaancnctg 180  
ggantcnggc ngtanggacg cngcgcgccc tcccccgacg gtanggaaat ccgtngtggt 240

## 2455

cngeggngn atcncaggcg tcacttgtgc gnancagtcg gctactctct ttccatcgga 300  
agatattctc ttggtcncgg nntctccggt tantaatgaa ttccaaattt cgagcanatt 360  
tctatatnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420  
gectncnccc ncatggaagg ttctagaaac ctggcgtaa cgctacctga aaaaaatttt 480  
aaaaanactt gcgttnntta cnanaaaat gggcatccac accttttttt taaaaactct 540

<210> 2965

<211> 293

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

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<400> 2965

gcggnacgag ctttcttaca gctggctact gaagttttgg gatactagaa atatcacttt 60  
tatccanaga cttactgagg cttgtactac tcttcaagct ttgtggttta gactttgagt 120  
catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatgggt 180  
cttgactcc tacattactg ctgccaaacc caccagaaa ttttcttatt tgccnagtat 240

## 2456

ttttttnggt ctttttnaat tcaanggtca tcattctcca taattttggc tat 293

<210> 2966

<211> 61

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2966

gtcgagtttt tttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60  
a 61

<210> 2967

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

2457

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
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<222> (46)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (153)  
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<220>  
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<222> (174)  
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<220>  
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<222> (177)  
<223> n equals a,t,g, or c

<220>  
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<222> (185)  
<223> n equals a,t,g, or c

<400> 2967  
atgattttca ngctcgaatt ccccttcgaa atncngcctc actaanggga aaaaagcngg 60  
agctccaccg cggtggaggc cgctetacaa ctagtggatc ccccgggctg caggaattcg 120  
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcancntcc 180  
ctcctc 187

<210> 2968  
<211> 432  
<212> DNA  
<213> Homo sapiens

2458

<220>  
<221> misc feature  
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<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<400> 2968  
gcccaaacc actccacctt actaccagac aaccttagcc aaaccattta cccaaataaa 60  
gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120  
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180  
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240  
ccttagaaca gcttaaagag cacaccgctc tatgtngcaa aatagtgggg aagatttata 300  
ggttgaagcg acaaacctac cgagcctggt gatactggtt gtccaagata gaatcttttag 360  
ttcnactttt aaattttgcc cccagaaacc ctctnaatnc cccttggttaa ntttaacttg 420  
tttngtccca aa 432

<210> 2969  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>

2459

<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<400> 2969  
aatacaatgt natttaaaaa agtatgctgc ataaaaacct ttaattctat aggnttatat 60  
ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120  
ctgaanttta taaggggccaa gtcacatgctc aatgtgacat gtanagacat atttatttnn 180  
aaacttggat gtttctaaat ttgtattacn a 211

<210> 2970

2460

<211> 96  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<400> 2970  
tttttttttt tttttangna nttttccct taaaaaattt ttccatttc ccccnttcc 60  
cccgnggttt ctttttttaa acattttcaa gccctt 96

<210> 2971  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)

## 2461

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<400> 2971

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ggtgaaatgg aagaatttag gataagtttc tgaaagactc ataaacagtg attcttaaaa 60
aaatgagcat tgggatttat ttcagggaaa acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttgtggg ttttgggt 157
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<210> 2972

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

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atggccantg accnctnaat acnccccaaa gccagcnttt nctnctntn cagtgcataa 180  
aatttattta ttttnaaaaan ccncatacta ttttgggacc attaaaacct atgggttaaac 240  
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atacataaag ttcttgaaag atgccaactt gaattccaatt ttaaatgaaa aagtttataa 180  
ttcgtaagat gagatgagtt gatatgtaaa tatgtcaatc aaattgattg ttggcagagt 240

## 2466

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acattagaaa tgtagtgga taaaagctgc gtactttaat ttcagtttga acagatgttt 360  
tatgttatat cntattgag atgaagtaga tcactccaat ttttaagttga acaacatgga 420  
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480  
cagttccaga acctgaaagg tttcatcctt ngntnccatg aaaacagggtg gtttttccnn 540  
taaaatanta aaacnggggc ctaatgtcat attttaaaat nattgtttan aattaaaatt 600  
ggtcnccaa taattttttc caatatntcc cattcagggt cntcnatttc cccatnttcc 660  
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2468

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gtgacttttt tgcctaattct tgcagtagat tctaccgtat aacacattgg anatggtaat 180
cggttcagttc atataaacat aaaacagcat ttgttaatat gtctgttaac angtagttna 240
taattttaatg ttgcttttta ctggggccttg ttttgantcc cattttttatt tgantcncta 300
acaaccatct nttaattaca atttaacttt cnaaganctg cgtnatttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
nccaaaaatt tcncggttna tntttccacc tttgtccccc aaatttttcc cnatttttgg 540
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&lt;213&gt; Homo sapiens

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ttaccattga aactcagatt tgctgtagt accctcaatc ccatttttct cgttccctaa 180  
ttaccggctg ttttagtttg gtttagtctg tccttccaga ctgttctgcg tgtctttcta 240  
tgtatcaaaa atattgcctt tttttttttt aatttaangt tttnaatncc ttttataatnc 300  
ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360  
ctgaactntn ccccntggga accnccatta ttatttncag ggttnttcnt ttttaccaan 420  
tgaatttaca aattaattcn ctnggtttta nncggttnc aannccantt tnaattaaan 480  
aaaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatccttta 540  
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2473

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actctgnagt cctaattntt ctagttggac caaaaaaaat ccnnattggt tgatctaang 180  
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240  
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## 2476

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 agcatttaat aataactggt tacaacatga ggcaaagcta ataatggtat ggttttatta 180  
 anagatctgt catctctggt tttcttaaac tgggttaaca gtccagaact ttgttatggt 240  
 gtttccanct gaaagaattt attatanggc ttgggttaatt taccctaaat tttccttttt 300  
 aagaacccca tgaacnggan cccccaaga aactgaanaa taactccttt tttttnaaaa 360  
 aggggtgaatc ctggcttggt gcccaaaatt attttaaaaa ttccgcccct tnagggaana 420  
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## 2479

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 actgcagcct gttaataatt gtgcatgtgt tttatgtggc ctcaaataaa ctgagacaat 180  
 cttacacatc tgcattccag atnggggtcac tattccttca tacttaatct cctattatgt 240  
 aactgtccat tnacaaaaaa tacatcacat aagggaaaaa acttaaatac ttaatttgct 300  
 agtgcattaa taagtgtatc taatacacat nactttttat tgttacctta aatatatgtg 360  
 tttgtctaga aatatannna ataaaaccta ntgttatgtt ttctcgcntt aaaatgtacc 420  
 anatcttgtc caaatgtctc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480  
 aacatttant aatgttttta aattntnaac tccatgaagg gtaagggtgtg tccnaattna 540  
 actgtttcaa cttgcaatgc caaacaca 568

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2480

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2481

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2482

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2483

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 tgtgctttcc cagtccccatt cctcagcttc ttcacaggca ctcttggaga tatgaaagat 180  
 tactctccat atccccctct ctcangctct tgactacttg gaactaagct cttatgtttg 240  
 cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300  
 nttatttttg tttatnanc ttaanccctt ccaaagacan aacttttaaat cttttnaaaa 360  
 aaaagtttg aatnnatttg attactatca ttattcnmca ctttactttt aanccnggct 420  
 ccctacttna cttccnccta cattatctcc ctttntnctt ttatcatccc ttaaaaaaat 480  
 tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540  
 tggttgggtg caatccccct tttattcccc cnnaccttt ttgggaangc ttttaagggcc 600  
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 cccat 665

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<220>  
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<220>

2484

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gtggcaagcc tcttctgctg aaccaagtaa ggggtgtgga gagagaacag aggcaccaga 180  
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240  
gggtggaataa ttcaggggtg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300  
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360  
ttantacagt gcagacttat tatatacaat ttaattttaca tgaattcact attncatcca 420  
tccttttatat taactataat tgttttatatg tnacanattc ccaattaaag aattacacaa 480  
tattccataa tntttatttn tc 502

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<212> DNA  
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<220>

2485

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<220>  
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cnataactgg agccatccgg ggggctggca anacttccg 99

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<212> DNA  
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2486

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agtacttgct tcagcgcttg actttgggta aatgttaaatt attttttaatt atacataccc 120  
anggggcaga aaacatttgn caattcattt ttattagctt gatggagcat gnattatttg 180

2487

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caatggaata ttggacttgg tatttttccct gagcattatc aggtttcttg ctggtgggag 240
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtnngggc agggctttgg 300
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaac 360
caggaaaact ttgtcccctt ccccccattgg ggttcn 397
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&lt;210&gt; 2983

&lt;211&gt; 101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2983

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gcacgacata caagatntcg ccttcgccta tctcaaaagg a 101
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&lt;210&gt; 2984

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2488

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2489

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<222> (477)

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<222> (483)

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aactaatgga tcccccgggc tgcaggnaat tcggcacgag ctctcccctt ttctctcccg 120
ttttccttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctggggagc acaaacttgg gcaatcaata 240
aaggctttaa ntganacaga catgcttttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtgggta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaa aaatnattca gacactccaa aattatcctt 420
cctttcttta ttntttatgc aggtttatga tnaccacttg taactgtcac aaccctnggg 480
gana 484
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<211> 99

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (32)

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<220>

<221> misc feature

<222> (39)

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<220>

<221> misc feature

<222> (42)

2490

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<221> misc feature

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<220>

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<222> (65)

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<220>

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<222> (77)

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cttcnactaa ctggtgnatc ccnggggctg gcaagactg 99

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2491

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2492

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2493

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2494

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2495

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<223> n equals a,t,g, or c

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2496

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<220>  
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tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant ccnttttctt 180  
gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatggt 240  
aattcnattn tcttggagcc tcaactcctcc tcntataaaa tcatttggtta ttatttataa 300  
tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360  
tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420  
cnaangtgaa tattctcagc ntaancatgg gnataccccc atngtctggt atactctggt 480  
atcgctcatcn ctgaantaca ntgtcttgaa attaanaatt ctccaattac tttacanagg 540  
tatcnngta ctatnttttn ntntcttcac tgtattatna naggnggtct cag 593

<210> 2987  
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2497

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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 gcaggagatt ggggcttaag tnaggtgcta acaccaccgt agtgganaag ggagagaaaag 120  
 cttggganat agatngatgg ggaggttagca ggacttggtg nattcactga gcctggggggg 180  
 atgacttgaa gctgatgggtg cagtggntaa cagttgcagg gctctgaaaag gggaagnagc 240  
 tgatttgcag gnagagggaa aanacttant cctgtnggggt ccctgtnggt ttttaccccc 300  
 gtttccccag ccctattctt gccctccttt aaagtttcac 340

<210> 2988  
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2498

<212> DNA  
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<220>  
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<220>  
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<222> (33)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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2499

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<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

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<222> (168)

<223> n equals a,t,g, or c

<220>

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<222> (172)

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<222> (190)

<223> n equals a,t,g, or c

<220>

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<222> (215)

<223> n equals a,t,g, or c

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<222> (221)

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<220>

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<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g; or c

<400> 2988

agcatacccc tgttcttttg tccacngatg ganacattgg tacaggccat ancactttgn 60  
gcgctcttctc tagccnggct taaaaattac aatcaacaaa ttnacagctn agaaattaag 120  
gctgtgtcnc attacttcan ganaancctt acccttggat cataacttngg anncctggat 180

## 2500

tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240  
tcaagaacaa ttctgtcaaa atgtttaatc ttacttggaa tagtc 285

<210> 2989  
<211> 115  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (104)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (110)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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tggccgctgt ttacaacgt cgctgtactg gggaaaaccc aaannccntn ctntt 115

<210> 2990  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

## 2501

<220>  
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 <222> (222)  
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<220>  
 <221> misc feature  
 <222> (230)  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (242)  
 <223> n equals a,t,g, or c

<400> 2990  
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 accttttggg ggatccgaca agcaaataaa gcttcagctc gcagtacagg actctgccag 120  
 atgtcttcac ctctcctgg tggaatctaa gccttggtgca cctttccaat ccaaaatcaa 180  
 gggtagagga atcttcctgg aaaaaaagta natttgattc anctgggaan aattctgttn 240  
 ancttaatag g 251

<210> 2991  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (23)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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## 2502

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<220>

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<222> (89)

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<220>

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<222> (129)

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<220>

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<221> misc feature

<222> (185)

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<220>

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<222> (217)

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<220>

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<222> (222)

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<220>

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<220>

<221> misc feature

<222> (279)

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ctagtggatc ccccgggctg caggnaatnc ggcacgaggt tggtctgtgc tcctgtcctg 120  
caccataana gcatgtccca ggatcatcatg ttcttttgca ccaggntcct gggaatgcag 180

## 2503

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240  
agatacntgt atggtattgt agcagtcctt gaaatcatnt actctacca 289

<210> 2992  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
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<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (146)  
<223> n equals a,t,g, or c

<400> 2992  
gcggcagcag gggggggcccgtgtacccaatt cgccttatag tgagtcgtat tacaattcac 60  
tgccgctcgt tttaacaagt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120  
accacatgan tattcctatc cntacn 146

<210> 2993  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)

2504

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

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<222> (52)

<223> n equals a,t,g, or c

<220>

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<222> (62)

<223> n equals a,t,g, or c

<400> 2993

gtatnaanaa tncaccttat gtgggttatg ccttcaatca tctcgtaaata anaaagtacg 60  
gnc 63

<210> 2994

<211> 437

<212> DNA

<213> Homo sapiens

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<222> (233)

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<222> (241)

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<220>

<221> misc feature

<222> (301)

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<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

2505

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 <222> (334)  
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 <222> (363)  
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 <222> (368)  
 <223> n equals a,t,g, or c

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<220>  
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 <222> (397)  
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<220>  
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 <222> (420)  
 <223> n equals a,t,g, or c

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 attcctggca ctgtgggatg atttcgagat gctgctctgc tcttttggtc aacatctgct 120  
 ctgactgggt gtcaaattatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180  
 cactcacaca atgtcccaca ggggacacac agtggttcaga attgtcacca tanacagaaa 240  
 ntccctcctg tggatatatgt tgaaataacct cctcttttgg gccaaagccc ctaggcagaa 300  
 nctcttgata atgggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttaaaac 360  
 cantttcnca caaantctga attcctgctt gcaaaantgg gccgaaaagg gcaggaaatn 420  
 ctctttttta aaaaaaac 437

<210> 2995  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>

## 2506

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<222> (20)  
<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

<220>  
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<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<222> (166)  
<223> n equals a,t,g, or c

<400> 2995  
gaatanaatc acttacaggn aatttcagtc attgatttca aatttgtaaa acaagctaata 60  
agttaatat ttgccaaaaa gaatatctat aagatacatt aacctactaa tggactccca 120  
aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996  
<211> 113  
<212> DNA  
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<220>  
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<220>  
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<220>  
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2507

<222> (111)  
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<220>  
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<222> (113)  
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<400> 2996  
gcggcacgag cggcacgagg gggggcccggtacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgtc gtgactggga nccccnaaaa nnn 113

<210> 2997  
<211> 185  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<400> 2997  
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tttcagaacc gaacgggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120  
naagttcccc aatgaaacaa aaaaacctcc accattttca nggccntggt caacggccca 180

2508

tnacc

185

&lt;210&gt; 2998

&lt;211&gt; 117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2998

aggctcatgg gataaaacag acttcttant atatacctan ctatcccagg atattttctta 60  
agctaattgtg tttgtctcat gctttcaatc atttcntgca tctgaaaacc cntnaat 117

&lt;210&gt; 2999

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

2509

<220>  
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<220>  
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<222> (128)  
<223> n equals a,t,g, or c

<220>  
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<222> (129)  
<223> n equals a,t,g, or c

<400> 2999  
gcggcacgag cggcacgagc ggcacgagcg gcacgagggg gggcccggtg cccaattcgc 60  
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaan 120  
ccnaagmnn 129

<210> 3000  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (17)  
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<220>  
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<222> (22)  
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<220>  
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<220>  
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<222> (154)  
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<220>

## 2510

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<220>  
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<222> (245)  
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<220>  
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<222> (305)  
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<220>  
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<222> (317)  
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<220>  
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<222> (319)  
<223> n equals a,t,g, or c

<220>  
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<222> (331)  
<223> n equals a,t,g, or c

<220>  
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<222> (357)  
<223> n equals a,t,g, or c

<220>  
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<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
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<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2511

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3000

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gattctcaca ccaantncaa antattagga attttttata tcagctgaca tcttgtgctt 60
acagtaaagc catatagatg cacacatagt gactttatta aatcaaata gttgtgcaga 120
gcagagcaaaa tctattangc tttctctttt aaanttttct aatttttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattctttg 240
attanaaaaat catcttcagc tttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaactctt cccataaaag cttaaangga 360
aaaaaaaaatg tcgttnttcc aaaaaaaaaatg cttgccggnn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt                                     440
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&lt;210&gt; 3001

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (171)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (221)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3001

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gaaaaaaaaa catctgaaca aatttttagtc tctaatacctt acggctaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaagggtcc atttgcctca 120
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## 2512

gttccttttta ctacgtacat cacattcagc ttccaacaaa aaaaattaca nggcatacta 180  
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240  
aggaagatgt tgaaatcatc agactggaaa tttaanacn 279

<210> 3002

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3002

acttgcnnct caaaaaangg cccnaaaag aatntaaggt tgaatctcta ccgggggtgnc 60

## 2513

ggtcgattta aaattnttgg atcccccgga ntgaaggaa

99

&lt;210&gt; 3003

&lt;211&gt; 93

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3003

gtgaatacaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60  
aantgggagc ngntggggttn ccttttanct cca 93

&lt;210&gt; 3004

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (291)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

## 2514

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<400> 3004  
gctttcctag aaagttaaga tgtaaagtga ttctcacatg taaatttgaa agttcagggg 60  
tctattatga aatgatacac atttttaaat gaaccataat ttttttcact aagctgtttg 120  
ccttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180  
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240  
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300  
ggaaaaaaac atattgagtt tcaaaattta tctcctgaca ttgtttaagt ttatgantnt 360  
tttttnnaat ttgccaana caaggtgtta tatt 394

<210> 3005  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2515

<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<400> 3005  
gcggcacgag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaaacccaaa tnnntnnn 108

<210> 3006  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

## 2516

&lt;400&gt; 3006

```
gcttattaga gaggtcctat ggcagtgtaa actgtncctc cttgcttgcc tgcatttgct 60
gaactagagc tttcactgtc ggcttgccagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt 336
```

&lt;210&gt; 3007

&lt;211&gt; 57

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3007

```
gcgagttttt tttttttttt ttttttaaatt ttangggacc ncttttttna ananttt 57
```

&lt;210&gt; 3008

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

2517

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<400> 3008  
gaaactttta aaaatctttg gtggaataag agagagagag agagtatgtg tataaaattt 60  
cagagaggta ttttaaaagt gatggatttc tagcttggtc ttgaatgaag ggcaagtctg 120  
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180  
gcccaaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240  
tgttgaattg tttcctggaa ttaggttttg gtttagtggg acaataccnn tcen 294

<210> 3009  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)

2518

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (408)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (410)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3009

```

gcaggcatct aactcccaca cctgtggctg gagcccatgt cactcacctc tctactcaa 60
aactagattg caaattccca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcagggtt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctctatcag 180
cacccatgtn tgggagtgtg tgtggggtta ctcccagtg ccgttccttc tcatggctc 240
ctgactgctc cctgattcca gatcaaggct tggtaaantt caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatgtt tttttcacia aaanagttec tcccccgctc 360
tcacacacng angaatccct cacagttttc ccaccaaate cccccennn gggtgctgct 420
tgccttattt tccaaatttc ccaa

```

444

&lt;210&gt; 3010

&lt;211&gt; 347

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2519

<220>  
 <221> misc feature  
 <222> (144)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (220)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (236)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (311)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (345)  
 <223> n equals a,t,g, or c

<400> 3010  
 gtttagttca cctggtaaaa tgggtttctc atttctcgat caagcctggt gtgaaggac 60  
 gcattggact ttaagttggt ttataccctt catctatatt ttttaaagat ttgaactggt 120  
 gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180  
 tttattgaaa catgtgcac tacatatatt tactggactn cttactgtac attttncttc 240  
 ctctaggaaa tggcatcaan atggttcaac taagaacatg atcactaaaa acattataat 300  
 aatacctttt ngaaaaaccc antncccccg tttaccaaatt tttntt 347

<210> 3011  
 <211> 126

## 2520

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3011  
gctagtctcg aggggggggcc cggtagccaa ttcgccctat agtgagtcgt attacaattc 60  
actggcgcgtc gttttacaac gtcgtgactg ggaaaacca agctntnntt tttttctnt 120  
cgcant 126

<210> 3012  
<211> 69  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)

2521

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<400> 3012

gctgatgtga ggcctcttgg tngttgtgtn anggaaaatg gatatcaanta acagcatggc 60  
ccccangta 69

<210> 3013

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

2522

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3013

```
gagaacacag agtgtgttca tcagatttta tctgcagcag tttntttctg tttattgttt 60
tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aatataattc catgtttgac 180
ataggaacta cttatagatt gttataaaat tgaataattt tgtattaatt atttaattct 240
ttccttaaca taacatgtta agcatgatcn aatgtgaaaa cacttttncc ccgaattnnn 300
```

&lt;210&gt; 3014

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3014

```
gcggcacgag gggggggcccgt gtacccaatt cgccttatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaaacgt cntgactggg aaaccnaaa nnn 103
```

&lt;210&gt; 3015

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 2523

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<400> 3015  
gcggcacgag gggggggcccg gtaccaatt cggcctatan tgantcgtat tacaattcac 60  
tggccgtcgt ttacaactt cgtgactgga acccnaaaa nnat 104

<210> 3016  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2524

<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<400> 3016  
gcggcaccgag gggggggcccg gtaccaatt cgccctatan tgantcgtat tacaattcac 60  
tggccgctcgt ttacaacgt cgtgactggg aaaccnanaa nn 102

<210> 3017  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

2525

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<400> 3017  
ggttattcan agcttaaaat ctacttttaa agctttccaa ataaaaaaaa gcaacttaac 60  
aaattgctcc ctgcttatta gctnaaatga aatcatgaat gtgctggcat agatnagagc 120  
ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180  
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaataa taaaagcact 240  
cctacttnag tctggcagga 260

<210> 3018  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)

2526

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3018

gctagtctcg agtttttttt tttttttttt aagtttnanaa ngtttnaacta naatta 56

&lt;210&gt; 3019

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3019

gaggaagtgg gcagcctgga tatcacatca ccccatgtct gctgctgctc aggtttctct 60  
cactgtctct tgggtatgtg gtggggattg ggggggtgagg aaggggtggg anggcanatt 120  
aaagagaaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatecca 180  
cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240  
catgctnatt cctttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

2527

naccncnggtt ttttaaaaat tggggaaaag ggttttccn

339

&lt;210&gt; 3020

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3020

gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaacccaaa nnnnn 105

&lt;210&gt; 3021

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (171)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

2528

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
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gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180  
gagaaggcta aaattggttaa cggctagttt gaagggttaag aaaaaaaacc tactcctgaa 240  
ctgattctct atgttgccctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300  
accacttcct gttgttttat attacaactg cttgaattgg ggnnaantta cccccccgtg 360

## 2530

ctttccggttt nccccccaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420  
aatccccccac ntgaaatttt nncattgggc ccccnccna nnaaaaaccc cnatttccca 480  
ttccttgga gattggaaa aaaccnngg aaaatttttg gaatnaaacc cctttttttt 540  
n 541

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<211> 446

<212> DNA

<213> Homo sapiens

<220>

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<222> (287)

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<222> (322)

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<222> (339)

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<220>

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<222> (369)

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<222> (419)

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<222> (424)

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2531

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taccagtgct acaaagagaa ttctaaggtg ggtatgccag gcaggcnagt ttacagacct 120  
atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180  
ttatcactta cttttctgcc ttagttatca gatctcttgt acctctggca gctttattga 240  
at ttgtgccg ggtttgttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300  
ccccatgcct ataancctaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360  
attccagtn cttttccaaa aaaaacccca aacttaacct tggaattaat ccaattttnc 420  
cccnntttta ttttaaaatt anaaaa 446

<210> 3023  
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<220>  
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2532

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3023

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gttggtattat tgaattttac cttanaaaag aaaaactgca cgaaaaacac atatcaaaat 60
ttaaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgcttttnat antntttccn atgggctgaa tacccaaggt anagccg 297
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&lt;210&gt; 3024

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2533

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<220>  
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 gactcccag ggctagggct agagcagacc cgggtaagtn aaggcagacc cagggtcct 180  
 ctagectcat acccgtgcc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240  
 catacctcna natgtctgct tgaaaatatt tcttcagcct gaaagtttcc ccaaccatct 300  
 ggnaaaaaaaa tncatgcat cccttanaac cctgctcaga acacaattac ttttgtaaa 360  
 ggcttctgcc acatcttntn ttcccccaaa attgaaanac tccgccttct ccgggggncc 420  
 cggtanc 427

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 <212> DNA  
 <213> Homo sapiens

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<220>  
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<220>  
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2534

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2535

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2536

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2537

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tacataaaag gtaatgtact gtatatatta ttctgcacta gttttaaaaa atttaacagt 120  
atgtaactgg agtcccttt gtatccatac ataaagagct tcttctctc tgttacagta 180  
anactatgan aatgttccat agtttaacca gtccagtcct ttananatgg ataccgtatn 240  
gttattgcaa ncaagtgtg cagtcagtaa ctgtgttat atcannatnt ngttcatgtt 300  
gcnggtttat ctatanaata aatncccaa aaataaattg gtgtgttcna ngggtnantg 360  
tttttggtta cccccagaaa aaanttgccc aattncccc cgtaaaaaan ttntttcntt 420  
ttggaacccc ncnctttttt aaaanttttn ttgnttnttt ttagnaaaat cttaanncn 480  
cccttcccc caantgaaga aaaaanaaac ttgtcctntt tccccccggg tgaaaaa 537

<210> 3026  
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<220>  
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2538

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3026

gcggcagcag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaacaant cgtgactggg aaaacccaaa annntatna 109

&lt;210&gt; 3027

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2539

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2540

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<222> (369)  
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2542

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<220>  
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ttgaaacaag cgttnactat accnctttcn ctaacccttt atgttaccat atcttctncc 120  
aacctctctc cnatccatta ctnggttctg agctaccctg tctcnntct aactcacgcc 180  
tttntgnaan aggaagttta agccantggt tactctctta antcacttca cccttagaac 240  
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

## 2543

ntcgtttctt tnnnnnnntta tttataaatg ggaccntatg actgggttatn ntcaaancnt 360  
caacnttnnn nnnnggaactt ngcatatttg caacccaaaa tgggcccgcct tgaaanggtc 420  
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480  
ctcctgcccc anctgctcat ctcttgcacc tctaaacgtt cttcacaaan tagganattg 540  
ggct 544

<210> 3028

<211> 364

<212> DNA

<213> Homo sapiens

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<222> (30)

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<222> (113)

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<222> (117)

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2544

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2545

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<220>  
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 <222> (336)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (339)  
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<400> 3028  
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 aaaatcctct tcategggccc cnaaatctac tggtctgtggg ggctgggtant tancctncgt 120  
 gaacgcccnna cattgaaaca ctncnccnatg tgttggggacg tccacagaat gncaagctna 180  
 ccacgcngtt tatcttactt gggcncgcgt aagcccccg ctttggggcca cttggtccac 240  
 ttccncaatc ccttgncgcc caanaaaggc ttctttccaa gggtttccaa agggcccccc 300  
 nttgggggtn cantcccctc aaaacataag gggcncgcgt taattaacct cgaagtgggg 360  
 aacc 364

<210> 3029  
 <211> 102  
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 <213> Homo sapiens

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2546

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<222> (94)

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<210> 3030

<211> 104

<212> DNA

<213> Homo sapiens

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<220>

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2547

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2548

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<220>  
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2549

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3031

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gcgggcacgag gtgacgcctg cgccttttcc cacagcgtca gaacaacaca actttgattt 60
ctcctctgtc aaagcagggg caaacaagct ggtccagatc cctgatatnc tggaagaagg 120
agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tgttggacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttgggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
acctctcana ttcccaattt gcaactttca ctccacaggn aaatttttcc aaatctctta 540
tgt                                                    543

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&lt;210&gt; 3032

&lt;211&gt; 71

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2550

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3032

ggacaantgn aacgtattcc tgggtgtgct ataccgant gcantggatt actcgggtgn 60  
tcttatttct a 71

&lt;210&gt; 3033

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3033

gcggcacgag ggggggccccg gtaccaatt cncctatag tgagtctat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaaacccaaa atantcntng tc 112

&lt;210&gt; 3034

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

## 2551

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2552

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atagatgtna aggatataat gttagacttc tagcacttga aattgcccatt ggtctttctt 120  
cttctcttca atctnatnag ctgggtgatc agaaatgcna gagtgcacatt gagaancnta 180  
aat 183

<210> 3036  
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2553

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2554

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2556

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gtccaattgc tatngttact tcaggaagt angaactggc ctgatgncca actcgaatgt 180  
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccncacc 240  
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncctt 300  
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgn tttggggggcc 360  
aanttnctt tttncnanaa tccctgggtc ctnggcaaag tcccttggg gttgggggaaa 420  
ccaanccct tgttgcttga aaaattaaac tccccatttn ncccncctt ttttttac 478

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<220>

2557

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<220>  
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2558

&lt;222&gt; (309)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (322)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (427)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3037

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gcttcttgca agtgcttagg canaattata cctgaaaaaa aaagctggaa ctcttgacct 60
tttctcatgt tgattattaa tatgagcagt gaacttccna cnatgagatg ttagcagaaa 120
tgaagggctg ctgtcagtgc aatgctcatg gtggagctct acaggtctct gcantgcct 180
ancctgcctc tctgtctctc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240
ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300
tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360
gcaaaaacaa gttctggggg cacggtgccc caaagaaaac cntgattgaa tacttttggt 420
tatttanttc tgcgntccat gnaaaacttc ctngggaaaa ttttctacaa acttc 475

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&lt;210&gt; 3038

&lt;211&gt; 482

&lt;212&gt; DNA

2559

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<220>

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<222> (55)

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<220>

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2560

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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## 2561

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 <223> n equals a,t,g, or c

<220>  
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<220>  
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 tggccgtcgn ttaacaacnt cctgactggg aaancccaag catgagtgcc agccactggt 120  
 atctanaact gtgattagtg aggaaacacc taggangaac aaacaaccca actcttttta 180  
 tctaactctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240  
 tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300  
 nattaccacc ttaacaatc aatcgnaac atagtgggct taaagcagct ccccttttta 360  
 acctacntat ctggcaaac ngcagctctg aantgaactc agctngaatt tttttcctga 420  
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 cc 482

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 <212> DNA  
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<220>  
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<220>  
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## 2562

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<220>  
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<220>  
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<220>  
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cctcatttat cttttaaaga gtgtgtaagt gcctgtattg ttttctgagg naaacagtcc 120  
tagttttaat tagaatgaca tagagttctg tctaaaaacc tcgaaaactt aaggaaccac 180  
tgtgaaacat ccatctactt acacccattc caaccccaaa tcagtactga acaccaaaca 240  
tgtacacagt tgtcatgatc ctcacacac ttgtctcaac taaataatgt taccctcca 300  
ccccctccac tgaagatctg cctactgtat ttctacctga ggttcaaate aggggtcttc 360  
tatgaaagtc tggtnnactc ntcnngtctg tatic 394

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<212> DNA  
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<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2563

<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 3040  
gcggcacgag cggcacgagg gggggcccg g tacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgctc gtgactggga aaaccnnaaa nnnn 114

<210> 3041  
<211> 61  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 3041  
gcggcacgag agtttgTTTT ttttttaaaa tngggctaaa ntttnttggg ngcaggnccc 60  
c 61

## 2564

<210> 3042  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<400> 3042  
gcggcacgag ggggggcccc gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aacccaant tnntnn 106

<210> 3043  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2565

<222> (373)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (411)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (428)  
 <223> n equals a,t,g, or c

<400> 3043  
 gcaaagatga gaattaccat tcctaacgtg aaaccaggat tggagacagc tgtnccttgcc 60  
 caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120  
 aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180  
 tttcaggtaa gcctttcttc cacctaagtt agcacagtca gtgtctgaga aagatttgtt 240  
 ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcatcca tcactctttc 300  
 tangaagctg ttatgctgtt atgaaatgaa tgcagggttt tggcactaga atgaacctgg 360  
 gttttatttt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420  
 canttgcnc a ttttcccc 438

<210> 3044  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (71)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (94)

2566

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 3044

gaaaanggta atggaaacat ttcatatgaa gccaaagtctc actgagatca ccctactgct 60  
taataattca naaaattttc acctgcaaag tgtntggaat tttatgtntg tggntgaaag 120  
ccatcttnta caatgcttaa tcacatctct gcct 154

<210> 3045

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

2567

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3045  
aggnntnccc taaaaagttt ataaaagatg gtanctccac cgcggcccg c ggaagaatct 60  
agaactaatg gatcccccg gctgcaggna attcggcacg anaggcacga acgcctnttt 120  
catcnatc 128

<210> 3046  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

2568

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3046

aactattgga tcccnecgggc tgcangtaat tcggtacgan gtgaaaagga naaccccatg 60  
 cgggtaactt cgcattccnac aaactctgtc tcaacattct gtgtcgggga gantgc 116

&lt;210&gt; 3047

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3047

gccctctcca cctgctgtgt acaaaggaga aataatcact ccacacccga ctgaacattt 60  
 tctaacctta tcaactgtggc agaaactggc tactcttccct cctgggtaga cagccaggct 120  
 gtattttccc gctgccccctg cagtgtgagg tagccattgg agccggcgca ggccaaatgg 180  
 actctgcact ggagtgtcac atgtgtgttc caggcctgtc cctcaaacct cccacatgtc 240  
 ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggtnagcaa 300  
 tggcanattg ggangcatcc atggggangaa actggggttc ctgacntaaa gcatcatgga 360  
 at 362

&lt;210&gt; 3048

&lt;211&gt; 247

&lt;212&gt; DNA

2569

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

2570

&lt;400&gt; 3048

```
gggggggggnc naaactccta gctcntaagg gtcctcctca acaaagggaa caaaaggccc 60
agctccacca anggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggtta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accccaagng tnntngtttc 240
ttcgtcn 247
```

&lt;210&gt; 3049

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

2571

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<400> 3049

```
attactngan tgtngacccc ccactcaatc atatnccana tctctccctc actaaacgta 60
agccttcttc tcattctctc aatcttatcc atcatagcag gcagttnagg tggattaaac 120
cnnacccagc tacgcaaaat cttagnatac tcttcaattn cccacatngg atgaataata 180
gcagttctac cgtncaaacc taacntaacc attctgaatt tactat 226
```

<210> 3050

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

2572

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3050

```

gggaaaattc cagattatgt agctttacat gttagggacc ctaaagaaac aaggttgagt 60
actggtaggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatgggtan 120
gattttatna nttaaataata tcaattttta ggtacttttg tatgataaag ttgtattatg 180
attnataata acaagtcctta atttgagget tactcacttg aggacttttg tacaanaatg 240
ctctttngct gtttttctctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca                                     318

```

&lt;210&gt; 3051

&lt;211&gt; 116

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2573

<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 3051  
gcggcacnag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaaccnaag tgnnntngtt ctccgc 116

<210> 3052  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)

2574

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3052

gatcntaccc attcagacag atgctgtgnt gtnccctcana accatngtca ttgtt 55

&lt;210&gt; 3053

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (193)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3053

gtttggtttg agccatctcc ctccactcca ttgcaggctg tgcactaaac caaggtactt 60  
gctgctgtct gaaccatggt gcttctacat cccatgcatg tgcacatgct gtatctactg 120  
tctgctttgc aaacttttac ctcccttccc gcgagccttc cggggcttta ccctttgctt 180  
ctccctcccc tanacattag taaccctttt ctgtgtaagc attaccttca ctgttgact 240  
gtgttacagt tatttgcatt tctgtcctat cctaantgaa ctaagtgcc cttgattgct 300  
cacaaagcan tttggantag gacaaattga agaaaaacct gaaaagttca t 351

&lt;210&gt; 3054

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

2575

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 3054

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gattttattg tttccatttc attttcccat atattgaaaa gaacagggcc atgaacagtt 60
cttatggaat atggtttgat atatattttg ctgagttgga ctaacaccat ttgtttttgg 120
ttacattcca ctaacagaac atggcaagat aagtttatgg tcagggttgg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatcccccta accacctcct cactttctta ctttcaaccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc 328
```

<210> 3055

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 3055

## 2576

ctccaccaaa ggggcctttc gctcnaagga actagtggat cccccgggct gcaggaancc 60  
cgcacgagcg aatccntaat ccttctaata nctntectct 100

<210> 3056  
<211> 135  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<400> 3056  
gggggatctg cnagtctaag ttctctcac aaaaagggaa caaaaggccc agtccacca 60  
acggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120  
aancctnaca naaan 135

<210> 3057  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)

2577

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

2578

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3057

gggtccctgc tnaccaaagt nacagctcta ntccctgtta cttctctggg gttngcctag 60  
ttaaacgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120  
gacatcttng annggttcac ccttgctctg acttgncccc atacctac 168

&lt;210&gt; 3058

&lt;211&gt; 53

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3058

gcaanaagtc tgatggccac ctgantgcan gtgacaagga ccngacacan ccc 53

&lt;210&gt; 3059

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

2579

<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)

2580

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3059

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gaaaaactan ttggttttgt ttggtcagtn ctattgaatt tgtttgtggt tttaaatttc 60
ntnaaaatctt ctacttttat ctatttccat tcactctatnt gtgtttatct tgetattttt 120
gtncgtgtttt tttaancccc ttganttaaa aacctaaatg cccaaaataa cttgtnaggc 180
tataaattnc cctgantatt gcttcantng taccacaaaa gttttgaaa                229

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&lt;210&gt; 3060

&lt;211&gt; 67

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3060

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gtctggggcc atccatgnaa aaacaaacna cccggggcac attgggtaaa ctncctgtac 60
gaaaaat                                         67

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&lt;210&gt; 3061

&lt;211&gt; 116

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

2581

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attacaattc actggccgctc gttttacaac gtcgtgactg ggaaccnnaa aannnn 116

<210> 3062  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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<222> (162)  
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<220>  
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<220>

2582

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<220>  
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<222> (230)  
<223> n equals a,t,g, or c

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tggtgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120  
natgataatg aaatacctat aataaaattc ggagaaaagg anagtaaaat ttatcaaaat 180  
atttgtcnc ccnggaggtg tatttctctt ttataatggt nctctctatn gcatag 236

<210> 3063  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (51)  
<223> n equals a,t,g, or c

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<400> 3063  
aaaaaaatga agtaactgat ttntctaaaaa aaaaaaaaaa aaaaattccn ncntta 56

<210> 3064  
<211> 515  
<212> DNA

2583

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (424)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3064

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gcagaatttta aggagccact cattctcagt gttgtgcaag ctgatcctgc aattgcacag 60
agtaanagcc tctttaaatt ttgcattcta aacacctctc ttgtcttggtg ttagtcaana 120
acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaagggt catttatattc 180
tcanagatcc tttgtgccat taagtaattt gattttttata tgccaaatcc ttttgatttt 240
tcttggttttg atttcctatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaatttat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcntc tgtcaaatta ttgaagggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantgggttc caatntncat ggaaggaatc cccgaacttt acaaatcccc ccnctaattc 480

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2584

tcaattccaa aatttccatt attctggact gggcc

515

&lt;210&gt; 3065

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3065

aacggcacna ggggggggcc ggtacccaat tcgcctata gtgantcnta ttacaattca 60  
ctggccgctcg ttttacaacg tcgtgactgg gaaaacccaa agnnt 105

&lt;210&gt; 3066

&lt;211&gt; 542

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

2585

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2586

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2587

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<220>  
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 <222> (535)  
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 aaaaanattct gttttncctg gagtgtctga aacataatta naaaaatatg ggtctncatg 120  
 atgggttaaaa acaccttttg gactanagca aatcactggt tttaatatga caanattgag 180  
 gctatataat ttaaattccca ttctactact cctaagccaa ctttctgaaa ctcttaattn 240  
 aactatcctt tgnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300  
 aaaaaatgac ccttctgata ggttttttaa ataattaact ccaaantgat tttatttttt 360  
 tcccaaatan tgggttggtan tttggcgng gaaaaccnta atttttaaac attgtgttcc 420  
 ttattttccca ttttttcccn ntntntntan aattatattt tatattttgc tttcttcccc 480  
 naaangattt taaaccccca tttntttnt ttccttataa aatcncngtt ngttnagtta 540  
 tt 542

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 <212> DNA  
 <213> Homo sapiens

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<220>

2588

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<220>  
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<220>  
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<220>  
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<220>  
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<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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2589

<222> (392)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (540)  
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<400> 3067  
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attaattttnc agcacacagt caggagtacc ttanaatatt atattgaagt tttattattt 120  
gcatacttat taatttttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180  
accaggaata ctgagcanc caaaatgact tgtatgtagc tttaaaatgt gctttagttt 240  
tttttcaaatt ttgtttncct aaggctaata tnanatgttn agcataaact tacattttgt 300  
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360  
tgattattttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaaa 420

2590

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggctctntca 480  
atttgaatch aatatnagtt attaatcacn anttatatag ctttaattta agtttttgan 540

&lt;210&gt; 3068

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (227)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (266)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (281)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

2591

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<220>

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<222> (328)

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<221> misc feature

<222> (333)

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<222> (336)

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<220>

<221> misc feature

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<222> (362)

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<221> misc feature

<222> (458)

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2592

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<220>  
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<220>  
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<222> (518)  
<223> n equals a,t,g, or c

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gttggggcctc tgtttttctc agaacgggga cnatcatggc ccccgctcc tggantgaag 120  
gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180  
accctggtcc cgggtgtcttt gccggcctca caccgcttc cctctanttc cagttgttcc 240  
tgagtaaagt ggaaganacg ttccantgta tctgctgtca ngactggtgt tccggcccat 300  
cacgaccgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360  
angtnttcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacia 420  
ctctgcaaac gtcctcaacc actctccccg gctacggnat tgccggtgaa ctccaagcat 480  
tctcganagg ggttttgcta aaaactntcg aagggnntc accggactta attt 534

<210> 3069  
<211> 538  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (145)  
<223> n equals a,t,g, or c

2593

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

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ttattttaaac acttaaaatg atattagaan aggtatttta tgttttttaaa canagatata 120  
tttcattttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180  
ggaatagctt gaattactac ataagttctc tganaaatatt aagttcattt aggggaacag 240

## 2594

gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300  
atgttatttaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360  
aaaagcttta tgaaagtatc ngaacataag gaagatcggg tngttaacag aagactttca 420  
ttgtgggtatt anttatatga ttcattgttaa atntatcata gtgaaattat gctcttctta 480  
cttgaatttt acaaatattc ttaatatctt ttaatcttcc ttaanaaaaa accngggc 538

<210> 3070

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

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<220>

<221> misc feature

<222> (104)

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<222> (140)

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<222> (167)

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<222> (180)

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<222> (203)

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<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

## 2595

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gctcgtgccg aattcggcac gaggttttac cctactcacc aaacgcctca accgcctttt 60  
catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attcccggct 120  
taccctttca acgcccctaan ttgggggggc ctcccaaata atttcctttt ttaaattctn 180  
ggcccttcct ttccccttta acnaacaatt ncccgggggg cncaaaaagg gccctttaat 240  
tt 242

<210> 3071  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<400> 3071  
gttcagttnc attttactan tcaatcttac gggnttacac atcctttaat tatactngtt 60  
tnta 64

<210> 3072  
<211> 427  
<212> DNA  
<213> Homo sapiens

2596

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>

2597

<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<400> 3072  
aaaacattcc ntttgaaaga tgtcatgcta ttgtataaat gaatnctcct ggaaaggatt 60  
gccttttccta aagaaaaatat ttattagtgc caaataattc aaatggtata acaaagtgaa 120  
gtgaaaaaat cagtatgtgt tgtggtanct gcttgatag gggtagcatc ttgtctggga 180  
ntgtataacct atgctagttt cctccttttt attttttgcc ttcattcttc tgaatttaca 240  
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaagggtta 300  
tgaanccnga aggaattgaa aacccaaaata attaatttta taaattaaag ttaccattac 360  
atccanaatt ggcctgaaaa ttccccncc tcacncttgt ttgtcttggg caaatgttta 420  
nttnata 427

<210> 3073  
<211> 217  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2598

&lt;222&gt; (213)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3073

```
aaatttctgg gattcttgaa agcatgggct ctctccgcac tgagtctagt ttcactgctt 60
cttactgggtt ttaatcttta atgttanacc tatgtttatc cttattataa atttccccct 120
gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tccaagggt 180
gggtcntaat ttttttttaa aattttanta aanattt 217
```

&lt;210&gt; 3074

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2599

<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)

2600

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3074

```
ttgaatgcat gtacanatac ctatTTTTTt atctcagttt gtaacccatg catttggggt 60
tgaggttggc atgcagtga acctacagta tttatcaata tgtantcagt aactgtattt 120
ttgatcagct tcctttactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttntcccc aaatcattat gccctgtctt tttgttattc taaaattaag aaatagggtc 240
ttaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcagggt taaaactgtg ggccaacaat attttccaaa ngnaaaaaac anctcctatn 360
gaaaaaaatt ganaattgan tatatgaacc aaacatntac tccttttcca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aattttcnaa aactatgaat 480
taaaaatttt ttaatgggtt tccatctgan tcctgaaacc caaatangt 529
```

&lt;210&gt; 3075

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

## 2601

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

2602

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<400> 3075  
naaaatatnt atttttaaaa aaccanaaag gtatggaaaa aggattgctc tcgacgttaa 60  
aaacatcagc ttttctgttt ttttnacca tataaattan agtntnctnt cgaanaatgg 120  
gtggtgggta tggtaacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180  
nttcagcgaa ttttactgtc ttgcanaatt tgggggatta cnaaatggaa aactgctata 240  
taatnttcgn caaaaatgat tgcatttgtt gacttatatc ctncatatta ttggcttgag 300  
tgcanggana ttttataaaa aaatctgggt tgggttatca aanatcttng antgggggatc 360  
aaanaatgct gggaaatttc ngagctaaac tgggaattaat ctaggaaac t 411

<210> 3076  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>

## 2603

<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<400> 3076  
gcnnctccag ggggggncgc gaaccaattt cgcctatan tgattcctat aacgat 56

<210> 3077  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

2604

&lt;400&gt; 3077

gcggcactnag gggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaaccaaann nnn 103

&lt;210&gt; 3078

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2605

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3078

```
gtgagattgc aggcgtaatt aaatgccttc ttgaggactt ttataccttc ctcttgaana 60
cataaatcca nagcttactg gtgggtgtct gaaaaanac acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaattgga tttgaatata agtaaataca aagtgtcggt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaaccc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tccccaaaaa aatggtggga attgttttcc 360
aattttcctt ttgaaaacct ccaaaaattt taaattcatt acctttttac ctntccanttt 420
tt                                                                                     422
```

&lt;210&gt; 3079

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (392)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2606

&lt;222&gt; (415)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3079

```

gcggcagcag accttactac cagacaacct tagccaaacc atttacccaa ataaagtata 60
ggcgatagaa attgaaacct ggcgcnatan atntagtagc gcaagggaaa gatgaaaaat 120
tataaccaag cataatntag caaggactaa cccctatacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300
ggcgacaaac ctaccgagcc tggatgtagc tgggtgtcca aaataaatct tagttcactt 360
taaatttgcc cacagaacct ctaaattcct tntaaattta actgttagtc caaanaagaa 420
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480
ctaa
484

```

&lt;210&gt; 3080

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (203)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2607

<222> (245)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (319)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (327)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (414)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (432)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<400> 3080  
 gcttagccaa accatattacc caaataaagt ataggcgata gaaattgaaa cctggcgcaa 60  
 tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120  
 taacccttat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180  
 gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca caccctgcta 240  
 tgtancaaaa tagtgggaag atttatagggt agaggcgaca aacctaccga gcctgggtgat 300  
 agctgggtgt ccaaaatana atcttanttc aactttaaat ttgcccacag aacctcttaa 360  
 atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420  
 accttggttaa ananagtaaa aaatttaaca ccnnttagta ggcctaaaaan c 471

<210> 3081  
 <211> 103  
 <212> DNA

2608

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3081

gcggcaccgag gggggggcccg gtaccaatt cgccctatag tgantcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaacccaan nnn 103

&lt;210&gt; 3082

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

2609

<220>  
 <221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (294)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (337)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (344)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (365)  
 <223> n equals a,t,g, or c

<400> 3082  
 gtcctgtgccg aattcggcac gaggagaaat cgtggnatga aagananagt accagtgatg 60  
 acttcttatc cctggagctg ggcttttact gctaccata tcccagccct gcgagtctgt 120  
 tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180  
 caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240  
 gtccaacaca ggatttcttt taaatgtttc aaaaacatgt ccttaaaaact tcancctgct 300  
 tcttagcnag tgggccagtt ttgcttaaaa ctggtgnngg ggcnggggga aaatttttta 360  
 aaaantgccca aaaa 374

<210> 3083  
 <211> 516  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (166)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

## 2610

<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (498)

## 2611

<223> n equals a,t,g, or c

<400> 3083

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caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaattttta agtgtgggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttagaagaa aattgtagtt 300
cttgtgtggg ggcacaaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcacacctt ttcttttttt ccctgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaatactt tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcctgg 516
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<210> 3084

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3084

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gcgggcacgag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgctcgt ttacaacgt cgtgactggg aaaccnaaa 99
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<210> 3085

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

2612

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<220>  
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<220>  
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<220>  
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<220>  
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<222> (334)  
<223> n equals a,t,g, or c

<220>  
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<222> (354)  
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tgtattaaat tcattcattt aataaaataa tatgaattgc atgcccacag tgtatcaaac 120  
ctggcactgg gcaccttggt gctgtaggtt cagttagcca tggcctctgt atcatgggtcc 180  
agatcatgtg tttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240  
tantgatata aaanaaaagt atagtttcga tnaaattgaa caatgggagg tctaaataaa 300  
tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360  
aggcatccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtaactt 420  
atgcaaattt gttcaaaata atcattcccc ggacttcaaa tcc 463

<210> 3086  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
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2613

<220>  
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<220>  
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<222> (278)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<220>  
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<220>

2614

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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (505)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (517)  
 <223> n equals a,t,g, or c

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 ttgagaaana caaaagaagg gggtggctca ttggaatcag ctggacagct ttccaaaagc 120  
 tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180  
 tttatgatcc cagttagtct gatttcatta actgatacag atngtttgct ttcattaact 240  
 atatttggcc tctgttaaca tatcttaagt tatgtttnaa canttttttc ttttannagg 300  
 tttgttgagg aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtncct 360  
 angtttcttg ggaatctcca ntgggggttna aacnaatccc gggccttgaa tccccaccaa 420  
 tactcttctc ttgggctctg ttttattaat aaaaaggaac ctggggaaaan aacaaattaa 480  
 tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc 523

<210> 3087  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>

2615

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<220>  
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<222> (24)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (51)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
<221> misc feature  
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<220>  
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<220>  
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<222> (141)  
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<220>  
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2616

<222> (175)  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (246)

2617

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (266)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (323)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3087

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nccccgttct tgctcttgac cttncatta aaatgggggg gggggctctt nccaaaaaat 60
nccactttct tcccaagggg ggaaaaaacc tcccgggggg cccttggnng naancccccc 120
cccctaaaaa accctttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaaccta aatgattttt ncttcnaaat ttnccttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaggga accttccccc aanctttggt 300
taataccctg gtttggtccc atnatgggat cttgggttca actttttntt t 351

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&lt;210&gt; 3088

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2618

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<220>  
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2619

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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## 2620

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<220>

<221> misc feature

<222> (393)

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<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

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<221> misc feature

<222> (402)

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<220>

<221> misc feature

<222> (403)

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<220>

<221> misc feature

<222> (404)

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<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

## 2621

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<220>  
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<220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (502)  
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<220>  
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<220>  
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 <222> (524)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (533)  
 <223> n equals a,t,g, or c

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 ttaacttgaa agccaaaaaa aatttgggnt tcttggcctt cttgccaaaa gcttaaaaaag 180  
 gggttgaaact ttttgttgaa aanaaaaaacc aantttnaaa aaaacntggt tctttccnna 240  
 aaaagaaaact tttaggggct tgggnaaccc nccccnaaa aaaaanttan aaaaaantnt 300  
 tgggaattcnt ttttcccaaa aaacttgggg naattttttt tnaaaanaaa aattccccctn 360  
 naaaaattcc ctttccccct ttttgggggg aangnnaaaa nnnnnnaaaa ntttnccccc 420  
 ccccccttt tnaaatttgg aaaaactttg gccccccctt ttttgaaaan tttttaaaaa 480  
 aaattttttt tggggaaaaa tngcccccca aanccccccc ctgnaatttt tgnaaaaaatt 540  
 cttt 544

<210> 3089  
 <211> 587  
 <212> DNA

2622

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

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<220>

<221> misc feature

<222> (86)

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<220>

<221> misc feature

<222> (163)

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<220>

<221> misc feature

<222> (234)

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<220>

<221> misc feature

<222> (290)

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<220>

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<222> (352)

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<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

2623

<220>  
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<222> (514)  
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<220>  
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<220>  
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<222> (566)  
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<220>  
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<222> (568)  
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<400> 3089  
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tctanagcac tttgtctttc tcgtanttca taacttaccc cttcagtcta gaattagaat 120  
tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180  
gttcattctct gtattccacc agaagggtaca gtgactcata actagagtct ttanatgaaa 240  
cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300  
gagatagacc ttgaatttaa taaatttttag gcactatacc atttcagtgg anaaaattgt 360  
tgggaaattt ggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420  
gcttccattg gtctggggtt actaaccatt tcttcctgaa tgggtgcctag tatatcccca 480  
acagtttgtt tcctatnccc aaaaaattta tatnaaattt tcnttttctt gcaaaaactt 540  
gttccttctt tccattcatg aaatcntncc atgctaaatt ctaattc 587

<210> 3090  
<211> 106  
<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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2624

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<220>

<221> misc feature

<222> (104)

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<220>

<221> misc feature

<222> (105)

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tggccgtcgt tttaaacgt cgtgactggg aaccnnaat nttnc 106

<210> 3091

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (75)

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<221> misc feature

<222> (155)

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<221> misc feature

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<221> misc feature

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<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

## 2625

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<220>  
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<222> (315)  
<223> n equals a,t,g, or c

<220>  
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<222> (318)  
<223> n equals a,t,g, or c

<220>  
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<222> (326)  
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<220>  
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<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

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nccattagtc ctatnataat ttaatttggg tttgttggtg tagaaaactgt atttgcacaa 120  
taatgataaa gccactcagg ctcactctagt cattnccctgg atttatgtgt gtacgagtac 180  
ataaaaaataa gggcactgat ncgtntggta cttgtctnaa atgggttattc ttcagtngtt 240  
caaaggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300  
ataactctta actanctnac tttgantggc tttgatattt ntttctcata ntgggaatcca 360  
taacctt 367

<210> 3092  
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<212> DNA  
<213> Homo sapiens

<220>  
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2626

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<220>  
<221> misc feature  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (211)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
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<222> (421)  
<223> n equals a,t,g, or c

<220>  
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<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)

2627

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (464)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (515)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3092

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gcttttgagt tagtctatag aaaggaatcc tttattcttt attgcagagc agtgataaaa 60
taatttttatt gtactgttga taccatgctt tttcttttacc caagaacatc cctatttaaac 120
aaacatgaaa gaaaataatt gattttataac ccttttttaaa gcagaggcac ataagtctat 180
agagtgggtac tgnagtgtga tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttgggtg gaaacttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctcnt gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
aatattctgc tctaataaat atgtaactgt attcntagag aacgatttt 529

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&lt;210&gt; 3093

&lt;211&gt; 564

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

2628

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<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

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<220>

<221> misc feature

<222> (353)

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<220>

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<222> (368)

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<220>

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<222> (370)

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<220>

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<222> (421)

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<220>

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<222> (450)

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<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

2629

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (491)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (527)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (564)  
 <223> n equals a,t,g, or c

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 agctggggga ttctccaatt aggtctagga ttttgtgggc tcatatcagt tttttgcttc 120  
 tgaagtcttt catggtacan aaatggggan agtatattgtg gggggttggtg ccacatganc 180  
 gaatcagggg gatgagaaaa tgcattggata tattcaggaa ataattgagta nccagttggg 240  
 taaacatatc tatccatcta aggtagggtg ggaacacctt gaaaatgggc atgggaattt 300  
 attanaaacc atcaacaagt tgggtctgggg atccaaaaaac tgaatgaatg ttngcctgtg 360  
 gatttcanan caattggcag cagtgcctaaa tccccgggc ttggggccctc ttcaagtctc 420  
 ncctgaaccg tggcctcacc gagtcaaaan ngagttnctc ccgctgcacc aaacacacct 480  
 ncaccaccan ntgggttttca tttgacgccc aacacnccca tgaacanact tggaaatgtc 540  
 cattcaaagt aacccttaag cctn 564

<210> 3094  
 <211> 551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (154)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (174)

## 2630

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

## 2631

<220>  
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<222> (444)  
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<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
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<222> (465)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
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<222> (540)  
<223> n equals a,t,g, or c

<220>  
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<222> (545)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

<400> 3094  
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tatcatctgc agagctgtta acctcathtt ccaaattcct atgacacttt tcacaagagt 120  
tatgtttgcc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180  
ctacatgtga ttttcttgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240

## 2632

```

gttgggaaat gggaaatggg agatgggggt angtnacaa aaaaagttct tgantaaang 300
ctaggaagaa aactatctga ngttacttat ttgcctaatac cttctatatt agaattagga 360
aatgtaaatt agtctccana tccttggtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
ccttttggaa cttcaaattg ggggggtccc aaaacaccnc cggttcatat ttctaaacan 540
tccanaatcc n 551

```

<210> 3095

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

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<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

2633

&lt;400&gt; 3095

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ggtcatgtgt tctcttttga actgttcage ttttccgtag gggggaagat cagtcattgag 60
aagcagaaag taactctacc ttccttgatg ccaggagagc ntgatgagaa agaaatccta 120
ggaaaggacc agttcccttt attccaactt agcatcactg aatttgtctt tggcaaatgg 180
gctttcctca agtcctgctc tgtgtttcag caaggacagg aagtanactg cctcttgtgt 240
tacttgaaga ncagtgttag gggagtgcct angggctcaa ggaagtantc ttctttctgt 300
taacggttgc ccacagggtc gggaccttta ttaagcaaan atttctnaa attnttcctg 360
gggaaccc                                     368
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&lt;210&gt; 3096

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2634

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
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<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2635

<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<400> 3096  
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tnagggaaaa ncataaattt ntagttaaat ngccttcata ctgtggattt ttcctcctac 120  
taantaatat gtnggaaatt aagattacac atgttctggg tcccccaaaa ccctacattg 180  
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240  
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300  
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc 348

<210> 3097  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

2636

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>

2637

<221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (558)  
 <223> n equals a,t,g, or c

<400> 3097  
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 tcttgaaagt caaaggtgat gattaatttc atttagcagg ggaagtggaa taatatcttt 120  
 tgaaataact aagtcacta aattatacag tatgctattc tggttctaag tacatattan 180  
 tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240  
 aaaaaacata ttacacaatg tggntantaat angtgttaag gaangtaatt ttttccatag 300  
 tgggtatgcn aacntttcnt ttgaaatatt tccttanatt taaagacttt ngggaaataa 360  
 aaattngcag ccaaccaaatt tccttgaata gaattttatn cctacttttg ggaaaaaatt 420  
 attttttggt tnccaaaant tatttttagt tattccttta gaaaatttga aattttancc 480  
 cantttaggg cttttaattg gaacctttnc ccaaagttga aaccntttac cttgaaaccc 540  
 ccaatttttt ttttttttnc attg 564

<210> 3098  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (5)  
 <223> n equals a,t,g, or c

2638

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 3098  
gcggnacgan gggggggcccg gtaccaatt cgccctatag tgantcntat tacaattcac 60  
tggccgtctt tttaacaagt cgtgactggg aaaacaaaaa cttnnnggat cnaaa 115

<210> 3099  
<211> 591  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2639

<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (563)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (564)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (578)

2640

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3099

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gtgaatcact gaacactaag ctgtgttttc ttgaagccct gcaaactgaa gctagacaac 60
ttaaacttca gaagaaataa cagcaaccta ttacatata taagctactt tcataacctga 120
ctggtgatgt atggacatca gagtaatatg gcctatatca gtttttcatg attgttggtt 180
ttttattggt gttttttctc cctacctctc cttattttct cttccttagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaata aatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnttttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctctcctctt ccataatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
atcatttctt gtccttccct tgnnaccttc ctcttttnac cccttccatt a 591

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&lt;210&gt; 3100

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3100

```

ctcttatatt tcccagtctn atctgctgga atnncatnct tactatcaga ccgaaatctc 60
tacaaaatnt tcttcgaccc cgtgggaaga agatacccat tcta 104

```

&lt;210&gt; 3101

&lt;211&gt; 79

&lt;212&gt; DNA

2641

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3101

ggcctcttga nctatnccaa tgagacgctg gtantcacta agtatgattt tttnaaagta 60  
ttgttttata aaacanaaa 79

&lt;210&gt; 3102

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

2642

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>

2643

<221> misc feature  
<222> (419)  
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<220>  
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2644

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>  
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<222> (589)

2645

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (640)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (644)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (668)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (681)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3102

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ggattctttg gcttataaga cacagcatat agaaaattta gttattccca ttaggctgcc 60
ttggtcctag agaattaatc atttaaaaga acctctcatt aaatatgaaa gattttataa 120
tttgcaaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttggt 180
atttaaaacca ttaattagaa actacttatt tctgaaattt ggcataaggct tgaaggaaat 240
ttgggtttta ancattttat tcctttttac tgtctaccaa aggggggctta cccengccaa 300
aaattttggt ttnnnaatcc naaccecaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaaacccc aaattttttt tttttgaaaa aattttttct ttttttttna 420
aaaaagcccc ttantttttt ttnaaatang gnttttttta aaaattggnc cccnnntttt 480
ttanttttaa ntttttttaa aaaaaaaaaa ttttaattgt ttttttnaaa aaatttnccc 540
ccccttttaa antttttccc cacnnagggt tttccccngg ntttttnana aaaaaatttt 600
ttttttttaa aaatttttnt tttttggggg gtttttttan tttccccctt ccctttcccc 660
aaattttngg ttttaaccct nttttttccc ccccaaaatt tccccctccc cgtttcccca 720
aaaatttccc ccca 734

```

&lt;210&gt; 3103

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

2646

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2647

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3103

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gctcgtgccg aattcggcac gagcggccct gcctcccgga ccaccctgcg gggcgcacca 60
ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacggtgt gaccttgga 120
ccgagacgtg caactgtcca aggctctgtc ctatgcctg cgccatgggg ccttgaactg 180
gggcttccca tggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300
ngcctgtcct gccagggaag gaccacatt cnccttgnc cangaantgc ctggaaaacc 360
c 361
```

&lt;210&gt; 3104

&lt;211&gt; 61

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3104

```
gcggcacgag gtaactagtc ttgagttttt tttttttttt ttanntttaa atncnttttn 60
c 61
```

&lt;210&gt; 3105

&lt;211&gt; 347

&lt;212&gt; DNA

2648

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (255)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (265)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (281)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3105

gcttacgttt	atacttgaga	aagtgttgat	acagtggcct	gagtaggttt	nggatttggt	60
ttgcagactg	gcttacagcc	ctctggtaaa	agaattgcag	actttcangt	gggtaggatg	120
agggattgct	gctgctctag	gtgcaaattg	attctattta	tgtggttttg	aataataatc	180
tgggatgttt	gcaaacttta	cagttcatta	tctttcccta	taaacaagat	gggttggggg	240
tttctagctc	tacantgagc	attantccaa	ccangtttga	ntacagctgg	agcaaaaaaa	300
ttacttgttt	tttttttttt	aaatggggcaa	ggaacaantt	tttttttt		347

&lt;210&gt; 3106

&lt;211&gt; 419

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2649

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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (325)  
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<220>  
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<220>  
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<220>  
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<222> (417)  
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<220>  
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gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtacca 120  
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatata 180  
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaatccg 240  
aggttcccta gctttggaat attanattct attnaaagaa atgagattgg gaacattaat 300  
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360

2650

cacctggctg aagtttagtc ctctacctc cttggaatgc cncctnctt cccccntn 419

<210> 3107

<211> 103

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (44)

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<220>

<221> misc feature

<222> (89)

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<221> misc feature

<222> (91)

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<220>

<221> misc feature

<222> (99)

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taccgcctgg taaattttcc aggnatttaa gtccttttc cttntggtga aatacccccc 60  
ttgttaaaat ttcgcaacaa aaaaaagcna ncccgttcna aac 103

<210> 3108

<211> 153

<212> DNA

<213> Homo sapiens

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<221> misc feature

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## 2651

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<220>  
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<222> (151)  
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ttaatgggaa attttttggac ttgaatctgg gttcaaaatt tgggtngccc tttccgttnc 120  
aagttttctta aanttttctcc ggttttcnaa naa 153

<210> 3109  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>

2652

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<220>  
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2653

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<220>  
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 cccatccatg gaatgctact ccattactga ctttctcaaa tgaattgaga ngctctcaaag 120  
 gcagagacta tgagttactc atttttgtat ctccctagcag agcacagctc tgttgcggtat 180  
 gggacccctc acaataatgt ttacatagtt taatttaaatt cagaaaagtta tcattcattt 240  
 gcagaanaaa ttactggtaa tgaagtacta tgcagtgttc cattctgcag aagactaata 300  
 cctgctaaaa catttctgtt taatatttga taacaaatta tcccttncca aagggaactat 360  
 tgctaacttc cccacccctt gacattttaac cctccagata cctcctggga caatgggttat 420  
 ggcaactgga atctntatnt cncaaataaa anccctcccn cgaattgaat ta 472

<210> 3110  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
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 <222> (80)  
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<220>  
 <221> misc feature  
 <222> (83)  
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<220>  
 <221> misc feature  
 <222> (97)  
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<220>  
 <221> misc feature  
 <222> (102)

2654

<223> n equals a,t,g, or c

<400> 3110

gtcggcacga gggggggccc ggtacccaat tcgccctata gtgagtcnta ttacaattca 60  
ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant 103

<210> 3111

<211> 183

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (6)

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<220>

<221> misc feature

<222> (9)

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<220>

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<220>

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<222> (80)

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<220>

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<220>

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<220>

<221> misc feature

<222> (149)

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2655

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<220>  
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ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata aagtataggc 120  
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaag atgaganaat 180  
tat 183

<210> 3112  
<211> 157  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (26)  
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<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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2656

<220>  
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<220>  
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<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (142)  
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<400> 3112  
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aatcncctcc atgggggttc caattttcct ttctccaggc cnanttttaa aanaaacccc 120  
ctccccccga ggttccctt tnaccttccc aagttec 157

<210> 3113  
<211> 77  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (63)  
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<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 3113

## 2657

gggaaatgga gacgggtcatc cctgtagatg tcatgatgca aggggggata aaggtcaccn 60  
ttncangcct ngntgga 77

<210> 3114  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
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<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
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<222> (104)  
<223> n equals a,t,g, or c

<400> 3114  
ccttgnggnc tcttaatcag aggccttcgc gggggentaac gntctaaatt ttagtggntt 60  
cccgggctgc aggaattcgg cacggggccc ccnggtccc ccanaatttt tt 112

<210> 3115  
<211> 530  
<212> DNA  
<213> Homo sapiens

2658

<220>  
<221> misc feature  
<222> (19)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (314)  
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<220>  
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2659

<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
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<222> (469)  
<223> n equals a,t,g, or c

<220>  
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<222> (473)  
<223> n equals a,t,g, or c

<220>  
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<222> (474)  
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<220>  
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<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<400> 3115

2660

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aggtcccagc cccaccacng ancgggccgc tctactctna atggatcccc cnggctgcac 60
gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgttctcac accaccacag atgggacgtg tgcattctcc ttnagacctc 180
catgcaggcc gtccccctgc agccgacctg cccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttcctg ggctgtgttt acnggcgtgg tgatcatgtg 300
gaacatcatt ccangaaaag gggcctcctc aagggttaagt ggggtctnna tgttaacctc 360
gcagatggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttcctg cctccaaggg gaagctgcnc ccnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan 530

```

&lt;210&gt; 3116

&lt;211&gt; 549

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (287)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (289)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (291)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2661

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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<222> (428)  
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<220>  
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<222> (445)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2662

<222> (446)  
 <223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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 tctctgtcca cccctaccc ccggtccgt tgtcctttcc ctcccgggac ccgcccgcgcg 120  
 cccgccccgc gcgcccgcag tccccctctc actttctccc aacctcgccc tcccacagac 180  
 gtgcccgggtg ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240  
 tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcnent nctgccccgg 300  
 cagcctttgt gacacgganc cctccggctg cctgtctctc ncncctcgca tgggtctgcn 360  
 acattgtggc aattccagan ncttttattg tttgaaaaca gatacnenca attggctttg 420  
 ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480  
 caaatcagcc tcanaatgan ttctgatttt ntcaaacang cgttatttat ttaaaaattt 540  
 tccaacntc 549

<210> 3117  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (128)  
 <223> n equals a,t,g, or c

<220>

2663

<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2664

&lt;222&gt; (498)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (501)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3117

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gctcggatga caccctggcc tgaactgagg agatgaccag ggatgctggg ctggggccctc 60
tttccctgcg agacgcacac agctgagcac ttagcaggca ccgccacgtc ccagcatccc 120
tggagcanga gccccgccac agccttcngg acngaaattt tgggatnttc ccaagccgac 180
cttccctccg ctttctccca catgaggcca tctcaggaga tgggaaggctt ggccagcgcc 240
aagtaaacag ggtacctcaa gccccatttc ctcacactaa ganggcagac tgtgaattga 300
ctgggttgag accaaaccgg tccctgtcct ctagtgtcct tctttanacc tccggggccca 360
tcctcatccc tgantggccn aaccttgctt tccctgggctt tgccagatgc ttgggtttgtt 420
aagtttttaa atatatTTTT gttctttgtg gaaaaaatnt ttttttttgc aagggggcccc 480
ccaaggcttg gganaaangt ntc 503
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&lt;210&gt; 3118

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2665

<222> (109)  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (128)  
<223> n equals a,t,g, or c

<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<220>  
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<222> (148)  
<223> n equals a,t,g, or c

<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)

2666

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3118

nataaagtta	gacgctat	ctgatacntg	gnatatatga	ttcatcctta	ccatntatcc	60
tcatatcana	cttttcaatt	atgtagggtg	tttaatgtgc	atgctgttna	gtnaatncct	120
naggaagnat	ctggganaaa	tatccctnaa	tcctanagtn	ttcaataaaa	catgcctgtg	180
actcttatgn	attaaaggtc	atTTTgtctt	ctnatnaaat	ttctggcnca	tatnttcttt	240
ccttgatttg	cttaaacatt	tt				262

&lt;210&gt; 3119

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2667

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3119

tcaattggaa ttttttngga ngaagatgac caacggattt gactgctaata atnggattcc 60  
ttaccttttg ttctnaataa gtctcncata aatgagtgc 100

&lt;210&gt; 3120

&lt;211&gt; 176

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (170)

&lt;223&gt; n equals a,t,g, or c

2668

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3120

tttgtatgtg gatttttattt ngtttttacta taataattga ctaaccaggg gtttangaga 60  
aaaatttttgn nttccaaatg ttgntcctca ccaggcctat atattcatca tttattggat 120  
attcattctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt 176

&lt;210&gt; 3121

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3121

gcggcacgan gggggggcccg gtaccaatc cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cgtgactggg aaccctaaan nnn 103

&lt;210&gt; 3122

&lt;211&gt; 125

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2669

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<220>  
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<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

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aatattcttt ttggggagan cggaatttac ccccttggc ttaatentan attcttgncg 60  
agattttcct ggaaacnttt ggggggggga aatttttggg gttccaggtg gcgggaaccc 120  
ggaan 125

<210> 3123  
<211> 107  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2670

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3123

gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgctcgt tttaaacgt cgtgactggg aaaacccaaa tnnnnnn 107

&lt;210&gt; 3124

&lt;211&gt; 72

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3124

gtctaggact ggtttgggtg ctttaaaata gatattgtag ttcagtcgt gctacatggg 60  
ggganacggn an 72

&lt;210&gt; 3125

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

2671

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
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<222> (261)  
<223> n equals a,t,g, or c

<220>  
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<222> (266)  
<223> n equals a,t,g, or c

<220>  
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<222> (268)  
<223> n equals a,t,g, or c

<220>  
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<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>

2672

<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<400> 3125  
gcccaagtac caatgtacaa actgangagc ttgggcaaag tgtgtcattt atcgttctgg 60  
ggctagggct gagtcaggtc cnagaactga cccctctca gagctgggac ttcataaagg 120  
ctttggctct ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180  
ctcccagcaa ctcaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240  
antggatcca tctgancat nacaantncc acccatnaac aacactgcgg tgctaagcta 300  
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaatata 360

## 2673

aatcaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420  
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480  
gggctctcca tgggcactct gcactnaaac aaattgcgcc nttctgtatg gtgcttggtc 540  
ntaccactgc ccacanggct cttattattt t 571

<210> 3126

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

2674

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3126

cncaaantta ccntgggaaa nttccggaac aacgggctgt gagctccncc gaggtggcgg 60  
ccgctctaga actagtggat cccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120  
nggtcaa 127

&lt;210&gt; 3127

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2675

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3127

cctggtnntta cggagacttg cccgcgntaa atttctcaaa attcggcnan aanggccttg 60  
aantccaccn aaggtgtgcg gccgctctan gnactagtg 99

&lt;210&gt; 3128

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

2676

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<223> n equals a,t,g, or c

<220>  
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<222> (68)  
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<400> 3128  
cncgtggtttc ctcgnmntaa tgnccaaaat tagggaaatn nggctggagg nccaccgaag 60  
gtgtgcanac gctctagaac tagtggaatcc cccgggctg 99

<210> 3129  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (73)  
<223> n equals a,t,g, or c

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ggaacaagga nctganagct ccaccgcggt gagcggccgc tctagaacta gtggntcccc 60  
cgggctgcag gnncaaacc actccacctt actaccagac a 101

<210> 3130  
<211> 157

2677

<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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<220>  
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<222> (154)

2678

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<400> 3130

nacaanngct ggaactccac cnnggtgagc ggccgctcta gaactagtgg atcccccggg 60  
ctgcaggaat tcgagcacga ggaggcggtc agctgcttca agatgannct gancatctcc 120  
ttcccagcca ctggctgcca aaanctcatt gaangtg 157

<210> 3131

<211> 414

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

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<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (25)

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<220>

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<222> (35)

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<222> (47)

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<220>

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<222> (167)

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<220>

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<222> (200)

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<220>

<221> misc feature

<222> (218)

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2679

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (395)  
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<220>  
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<222> (402)  
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<400> 3131  
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ctaattgccca tcaactccaa tttaaagatt atggccacat actactttga aaagtttgta 120  
gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180  
aagaaacata tttagatatn ttttgacaga ggatcatnag nathttatgtg tttgaatcctt 240

2680

aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatggttggt 300  
aagaatttaa tctgaattta ttcaagttac ttttgttcta ctggnannca tagtacttta 360  
gtttatatct tgcaagagat aaccctgctg tgtancataa tntgggtaaa atat 414

&lt;210&gt; 3132

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3132

agcctggttt ctcgctttta cngccaaant agggaaaata ggctggagct ccaccnaggt 60  
ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg 112

&lt;210&gt; 3133

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

2681

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<220>

<221> misc feature

<222> (223)

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<220>

<221> misc feature

<222> (235)

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<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

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<220>

<221> misc feature

<222> (250)

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<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

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<222> (264)

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<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

2682

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<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
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<222> (389)  
<223> n equals a,t,g, or c

<220>  
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<222> (405)  
<223> n equals a,t,g, or c

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ggccttggtca tgcgaagcat ttgacanaga cttgcttggtc ttgggcctgt cacctcctga 60  
aaggctgctt tagctgtgga tgcccttgat taagggagag agcgcctang agctgcctgc 120  
cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180  
cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240  
nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300  
tgtggtttta aaaaagaatt taatgttttt gggtgtatnt ttttgggggg gtgncgggtgg 360  
ncagaaacat gggggtagtt ctgagttgnt aagaaatggt tctgnaatca a 411

<210> 3134  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (26)  
<223> n equals a,t,g, or c

<220>

2683

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<400> 3134  
gctcgtgccg aattcngaac gaacanaaca ttctactggga ngcatataat ttctattcaa 60  
ggtngtattg aatgatgggt angttaatat ta 92

<210> 3135  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<220>  
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<222> (75)

2684

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3135

atacgtttcc tgggncttga tcgcgctaaa tcctcaaaat taggntaaca nggccngcan 60  
ctccaccaag gtgtntggcc gctctaggaa ttagtggnn 99

&lt;210&gt; 3136

&lt;211&gt; 94

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3136

ccccactcag ccagtggtgg ggtagaagca acgtntcant natctccanc tcccaggaac 60  
actangaata ctttggtttt agccaaatca tcac 94

&lt;210&gt; 3137

2685

<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

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<222> (237)  
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<220>  
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<220>  
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2686

<222> (264)  
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<220>  
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<222> (270)  
<223> n equals a,t,g, or c

<220>  
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<222> (275)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (296)  
<223> n equals a,t,g, or c

<220>  
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<222> (327)  
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<220>  
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<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature /  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<400> 3137  
tattcagctc taccngcctn atntagggaa agctggngcn cctgcaggta ccggtccgga 60  
attccccgggt cgacccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120

## 2687

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ctagtccttg ncatttagaa gctggctttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attactttta tttctactga ttttattttg ggataactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac cnttaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt      414

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<210> 3138

<211> 62

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<400> 3138

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ntaaccacnt aataatgggt ttncacacat gataaaaaaaaa aaaaaaacctt ttacaaatga 60
nt                                                    62

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<210> 3139

<211> 379

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (299)

<223> n equals a,t,g, or c

<220>

2688

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<220>  
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 <222> (355)  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (369)  
 <223> n equals a,t,g, or c

<400> 3139  
 ataaaaataa ataaaagggc cccacaaaat ccaggtaggg ggtaactgat gaactgatta 60  
 cctatttcan atttacgaat ctcaaaactc taagatagag attatggcat ctagtcaaat 120  
 actatttgaa atactacgta ctctcaaagt ttttaataaca aaatggtaaa aattatattg 180  
 aagggttcagt ctctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240  
 tagcatctcc acctaatgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300  
 tcttgttgct tcttgaaagc atgggcttgg gtctgccaca tgtttggggc gcncnagcat 360  
 tntgggaang gaaaaaagg 379

<210> 3140  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (10)  
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<220>  
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<220>  
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 <222> (67)

2689

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<400> 3140

tcttacgann cccaatccgg aaagctggta cgctgcacg taccgggccg gtaattcncg 60  
ggtcgantca agcgtccgct cagncgggc ggaagggaaa tcccncaatt cangaggaaa 120  
ctgaatcac 129

<210> 3141

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

## 2690

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<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (61)  
<223> n equals a,t,g, or c

<220>  
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<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (149)  
<223> n equals a,t,g, or c

<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<220>  
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<222> (219)  
<223> n equals a,t,g, or c

## 2691

<220>  
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<222> (221)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<400> 3141  
cccacgcgctc cgtatatatg tgatnctgan tgttnaaana ncaactctat tnnacccgta 60  
naatgtactg gatntcaaca cacagtccan agacagtcac tctancaaaa gcttagtgtn 120  
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcagtctgt 180  
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240  
tntaatccca ntactccta 259

<210> 3142  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
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<222> (267)  
<223> n equals a,t,g, or c

<220>  
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<222> (274)  
<223> n equals a,t,g, or c

2692

<220>  
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<222> (277)  
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<220>  
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<222> (302)  
<223> n equals a,t,g, or c

<220>  
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<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
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<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<400> 3142  
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gaatgttctg gatttcaaca cacagtccac agacagccat tctatcaaaa gcttagtggtt 120  
ttccctatga ctgggttttc tggtaagggtg aactaaggca tccttttcca tttcaggctg 180  
tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240  
ttaaatecca gtactcctan gtggtanac tatnatnttg gtccacatga attattgaaa 300  
antctgtcct aaatttttaa tggaacaaan tatgggtttg caatttactg gtggtggttc 360  
ncaggaaata ctacgacaat ngganttt 388

<210> 3143  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>

2693

<221> misc feature  
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<220>  
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<220>  
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<222> (308)  
<223> n equals a,t,g, or c

<220>  
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<222> (325)  
<223> n equals a,t,g, or c

<220>  
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<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
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<222> (353)  
<223> n equals a,t,g, or c

<220>  
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<222> (358)  
<223> n equals a,t,g, or c

<220>  
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<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2694

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3143

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aggatattta gtatagcaat atctttggat aaaataatca acaaacaaaa ttatgttggt 60
ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgtta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcncnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac agggcccggt tacctccttn ttttaattan 420
aaaaaaaaa ggggggcgg                                     439

```

&lt;210&gt; 3144

&lt;211&gt; 79

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3144

```

cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt                                     79

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&lt;210&gt; 3145

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2695

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
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<222> (67)  
<223> n equals a,t,g, or c

<220>  
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<222> (68)  
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<220>  
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<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

2696

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3145  
ccccatttta taaaaaaggg gaaaaaagcn tgggggtntn acggggggccc cccccagggg 60  
ttaaccnnag atcccgggga aaatttcccc cgggggggttc cggaaacca acggccggtt 120  
cccggcntaa ttcaatacta annnaaaaaa ccccaaacc caatnggaac ccccttaaac 180  
caangggggg ggcctctctc caagccctct ccnaaaattg gaaccncccg gggnccggaac 240  
ccaatgt 247

<210> 3146  
<211> 485  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

2697

<220>  
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 <222> (417)  
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<220>  
 <221> misc feature  
 <222> (418)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (450)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (469)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

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 gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120  
 attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180  
 gcatccacaa ttgaacgcgt cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240  
 tgggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300  
 ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360  
 gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggt gttcctnnat 420  
 ggtcgcacat ttaaaagggt cccaatacn tttggtgtta tagaaatgnc agaaattgca 480  
 ttngc 485

<210> 3147  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (39)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

2698

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

2699

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3147  
cccacgcgtc cggccacgcg tccgctccag aatgaaaana atttctacac cnanacttan 60  
acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120  
tggtcagccc tcctgatacct cacaggtgga taagtgaggn ctaccagaca ggggagccta 180  
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggg 240  
ga 242

<210> 3148  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
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<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

2700

<220>  
 <221> misc feature  
 <222> (206)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (216)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (277)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (284)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (288)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (314)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (321)  
 <223> n equals a,t,g, or c

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 tatgaaaata acaatatctg caatgagcct taaaggatga acaatattcc canaaacana 120  
 ttttgggggc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180  
 aagcntcatt aaagtgcnca gaagtngcaa tattcntgaa ntgtttgggg aaacaaacat 240  
 accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300  
 taaggaaatc caanttccat naaa 324

<210> 3149  
 <211> 99

## 2701

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<400> 3149  
gactgtcgcn cctntctcc gttcaaaaaa tgggnncctg ggcccaaaaag caantntttg 60  
gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150  
<211> 105  
<212> DNA  
<213> Homo sapiens

2702

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
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<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3150  
aangaagtcc cccctaatta atatcggtnc ccngggaaaa tttttagggg aaggtttttc 60  
ggggtgtcan tttttaangg gcccatattt tttaggggtg taana 105

<210> 3151  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>

2703

<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
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<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (111)  
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<220>  
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<222> (125)  
<223> n equals a,t,g, or c

<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (161)  
<223> n equals a,t,g, or c

<220>  
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<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2704

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3151

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nggganagnn ggtacgcctg catgtaccgg tccggaattc ccgggtcgcac ccacgcgtcc 60
gacccctagca tnttaaaatt cagttgttac attgggatcc cacatantat nttgtcatct 120
atatnagggt ggatgagggc tnaaatttca tcttgggtct nggaacagat tcatgggcac 180
acattttata acgattggtc ctcagttctg caaattaaga anctccaatc ttnttgatc 240
cccaccggta gnaacannat gcattgagta atat 274
```

&lt;210&gt; 3152

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2705

<221> misc feature  
<222> (374)  
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<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
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<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
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<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2706

<222> (493)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<400> 3152  
cacgttttct tcatttttgt ctatacagtt cctcaagtag gatatttaag taggaaaccc 60  
ttcttttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120  
ctctgtgacc tgtgatggag tcagtagggg cctcaaagcc cagcctcttc agtcttcctt 180  
cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240  
tgcgagaatg gtgttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300  
atganaaact anttaggaaa agaaagcttt catgaacact ttactatgtt gccacangct 360  
ttaaaggaaa tcnccttan gttattctca caanaaaccc tatttttaaat cngttcatta 420  
tncccattnn ttaggcttga anggaacaca atcctttgga cangttnant taactcttcc 480  
caggtctcac aantaaatnt caaangntga atggaaccca ggnttggcca actcaagggg 540  
tgttct 546

<210> 3153  
<211> 548  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>

2707

<221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (449)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (500)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (533)  
 <223> n equals a,t,g, or c

<400> 3153  
 gtgcttttct ctttggcaga gtttttcttt gctctgatct tggagacatc cctctgccta 60  
 gtggaaacat aaggaatata gaaagaatgc aaggagatag accaacgtga gattctcctt 120  
 catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180  
 tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtgggaaag 240  
 actaaaacag gaaatgttta taaaaactgt tcacgggttcg ccaacaagaa attggttaaa 300  
 gttagcaaaa atgggggattg ganattccca ggaaggaaaag atgcccgggg ntttaattggg 360  
 gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420  
 ctgttttttt ccaantgaaa gaaagttnng gggccccaag gaatgggatt tggaaaaact 480  
 ttcccccca agttccccc n gaaacttaat taaatttggg tgccttaaag gantcccaaa 540  
 ccccgggg 548

<210> 3154  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (65)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (150)  
 <223> n equals a,t,g, or c

2708

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<400> 3154  
gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60  
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120  
aggggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180  
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240  
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggcctttct naaaaatc 298

<210> 3155  
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2709

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<220>  
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<220>  
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caaaggccag atgggttttg cgantccccc ctgctantgt ggggggancc cactttctgc 120  
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180  
cccttggtct tcctccccc ccaangnaa tctctg 215

2710

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## 2711

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aacccccggg ggggttttccc tnttgggggg gaaaaaattt ttcccccccc ccggggggggg 120  
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164

<210> 3157  
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<220>

2712

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<220>  
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## 2713

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 gtgggaggcg gcggccccc accctccata ntccttcgc cctctgctan caccgaagtt 120  
 tagcccanga cgggggcccgt ttaagggccc ggccctccgc cgccgcgcac gtgancggca 180  
 ccaggaagct ggctgggcgc agccttcctt gaagctcgct ggcaccggcc gcacgcntcc 240  
 atcccgggccc tctgancgga aggggaaccg aagctagaag gaaggcgcat tctgccc aan 300  
 gtcncggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360  
 agggcggttaa caagaactcc taagcgaaaa naaaaacttg aacanttggtt aaaancttaa 420  
 ggttttgggg ctttccttga aatttncccc caagggggggg ttttttgaaa aaaattgggg 480  
 gaacccaaaag ggtttcctt taaaaaaagg gnaaccgggt ttaggcnttt ncccttgaaa 540  
 ggaaanggtt tatncc 556

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<220>  
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<400> 3158

2714

ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnngc tgaactttta 60  
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159

<211> 245

<212> DNA

<213> Homo sapiens

<220>

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cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggaggtt 120

## 2715

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180  
tctggacccc tccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240  
gaann 245

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<212> DNA

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<220>

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2716

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&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3160

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gcntatnang gtttcaccgg tcattccgtc angttctgt 99

&lt;210&gt; 3161

&lt;211&gt; 305

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (267)

&lt;223&gt; n equals a,t,g, or c

2717

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<222> (286)  
<223> n equals a,t,g, or c

<220>  
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<222> (293)  
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acngttacnt taccangttt ncccgetcat ttatctcggt ctgctagggc caccactaat 60  
aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacagggt gagntgacaa 120  
agaaaaggca acagttgggt acggtggcca ggggtgaccgc cacgaagagg ggttgcggt 180  
aaggaggggt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240  
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300  
gtgag 305

<210> 3162  
<211> 107  
<212> DNA  
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<222> (29)  
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<220>  
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2718

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<223> n equals a,t,g, or c

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agggggccca tgtgatagcg atacaangnc ccaggacatc tacgagttca agttnncaat 60  
tacacaagac ancagttggt ctacgctgcg ctcagccgtg tategct 107

<210> 3163  
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aaactgttta attaaaacaa agcatcgnga aggccacggc tgggtgttgac actatgtgat 60  
ttctgcccag tgctctgaat gtcaaatgaa aaaattcaat gaaacgccgg tnaaccgcgn 120  
ganttncat aatcctcttn aggtatccaa aat 153

2719

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2720

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ttgctaatttt ttttatttgt cccactacta tgtttatttg cccttacgtc acccagtggga 120  
ccctgagtttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180  
cccgcacgta ctagtttttaa ggggtgattat agttantatg ttgattagtg gctagcgatt 240  
gggtgggttgc gttttcctga tggcccacgt actgggtgggt tgtgtttaat gtagtggttg 300  
tgggtgtgttg cctgggtgaca caacagttac aatgggtcgc tactgggtgt gtgtactata 360  
tgggcccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgntttg 420  
tgctgggttgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtgt 480  
gagtgtttga ttggccnctg tnttcctgcc aagtcaata 519

<210> 3165  
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<212> DNA  
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<220>  
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2721

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<220>  
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gggactcctg ggggtggttct ctctctctgg tcccttctgg ggaacctntt ntccnaatt 120  
tcttcgctgc ngttttcccc atcggttccc tn 152

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<220>

## 2722

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<223> n equals a,t,g, or c

<400> 3166  
gatnttgcca acccggatcc ngttgccaac gtttaccga tcatntatcc tcgttcanat 60

## 2723

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ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggtagccat 180
gggttacccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnggaattn aagcaaagac annacaaacg tagatgggcc cctncta 287
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<210> 3167

<211> 603

<212> DNA

<213> Homo sapiens

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<222> (3)

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<220>

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<222> (412)

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<220>

2724

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<220>  
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 <223> n equals a,t,g, or c

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 ctactgtgtt gcttatactg ttgtattttt gcaaaagcgg tcttgctgtt aacggggcgtg 120  
 ttatgtttgt tggccgtaac actattgtat actgctgcac ttcggttctga gtgctacgcc 180  
 gctgcaaadc antccacaga tgcatacagc acacttgtac tactggccta cgtgtagcgt 240  
 tttggattgt atggcggtgtg acttctactg gttaaattac tcttagggta acccanagtc 300  
 atatactact taacggtagg ccactgcccc tgcttatacg gccccgcctg ccggtgcccc 360  
 tgccccaggc caatgcgcgg gccacttgt agtaggccgg agcttaacca anttggtgtg 420  
 caactaatac ngtggtgttg atcttaggtg ccctgggctt tgggtccaac ttagccccctg 480  
 tggggcggtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tggttatgttt 540  
 agacgggtgtt cctngtgccg gactttngcg cgttgggggtg agatgtttta cctnactgcc 600  
 cca 603

<210> 3168  
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 <212> DNA  
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2725

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

## 2726

&lt;400&gt; 3168

gcacacgcta caggncgtna acagtttagcc ccacctagga cgggtacgnt ggcnccccgt 60  
ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatata canagctcat 120  
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggatatancn 180  
gancgacggt tgcaanccgc atgtcccatc atgg 214

&lt;210&gt; 3169

&lt;211&gt; 108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3169

gttnttcggt ggatgggttna ggtgggacac ggganggatc ctgggggaaat gggtanccac 60  
ttttctcagt cggtcttact tggcccacca cggttganttg aacggnac 108

&lt;210&gt; 3170

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2727

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<220>  
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<220>  
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<220>  
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<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
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<222> (335)  
<223> n equals a,t,g, or c

<220>  
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<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2728

<222> (372)  
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<220>  
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<222> (388)  
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<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
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<222> (423)  
<223> n equals a,t,g, or c

<220>  
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<222> (435)  
<223> n equals a,t,g, or c

<220>  
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<222> (437)  
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<220>  
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<220>  
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<222> (526)  
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<220>  
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<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)

2729

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (553)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3170

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gcccgtcttg tcnacngnta ccttaccang tttccccgtc atttatctcg ttctaaaggg 60
aggtagagcc gggagncgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtacaag gggcaaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaggc accanaaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccagggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gactgtact 420
agnagggggt tgcngnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577
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&lt;210&gt; 3171

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2730

<222> (194)  
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<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
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<222> (216)  
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<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

## 2731

<223> n equals a,t,g, or c

<400> 3171

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nttgncaacn natgccttcc angttttaccc gtcattttatc tcgtttcttta tctcgtttctt 60
tatctcgttc ttttcaactct tctgtttcctg ctattctctg tctgtttcacg ggtacctgtc 120
gctgaactga ctcttcgctg tcgtgttttg tacgtcttag tagcaggagt gattccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatcccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttggt ctgcaanctt ttcacctca nccgattcaa actatacgaa 360
gtatgccgcg tcagaggcgt agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428

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<210> 3172

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

2732

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<400> 3172  
aaagcnc tca ctatagntna aagctgggtac nectgcaggt accgggtccgg aattcccggg 60  
tcgacccacg cgtncgccaa attcatagag aataaaatta catgaaagag ttacaagctc 120  
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180  
agcagaagac atcagagcac tcactttctt ccatctttgt taagggttanc agaattaccc 240  
atggacantg ttaggtgagg ctcattcgnc ngcncgtgaaa acaaa 285

<210> 3173  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)

2733

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<400> 3173

ggnagagngc	ttccctcanc	acgagcgatt	cgcaaccag	ttaaagctgg	tacccttgca	60
ggtaccggtc	cggaattccc	gggtcgaccc	acgcgtccgc	gnnctcgtgg	gcggccactc	120
cggtcccgcac	accnancctg	ccggaaagaa	caccgcgaaa	tgaaaggcca	ccaagaagaa	180
angcactacc	tnctangaca	aga				203

<210> 3174

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

2734

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

2735

<220>  
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 <222> (478)  
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<220>  
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 <222> (523)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (545)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (553)  
 <223> n equals a,t,g, or c

<400> 3174  
 cgtntntata gtnaaagctg gtacncctgc aggtaccggt ccggaattcc cgggtcgacc 60  
 cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120  
 taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180  
 ttgtgaggaa gatgaaatta tgaggtctaa agaaagtcca gatctttcta tttntcattc 240  
 tcaggttgag cagtttagtca ataaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300  
 aagtggaaaa gtcttttcaga ataaaatggc aaatggaaat naaccagtaa aatcttccaa 360  
 agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420  
 taggtngaat acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480  
 tgaatttgat atctttcgat gtacctgaga gtttttgata ttnaaat ttt gnttaaaaaa 540  
 tattnttggtt ttn 553

<210> 3175  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (16)

2736

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3175

gctgtatntt tctcnggaa naatcncact cactatnttg gaaagctggt nccgcctgca 60  
ggtaccgggc cggaattccc gggtcgac 88

<210> 3176

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

2737

&lt;400&gt; 3176

tgagtggaca tgcnatggaa atggattgng acactgggtga atgaacagat gatantctac 60  
gtactnaaga tgcatacacc aanatgatga aaggtactgt ac 102

&lt;210&gt; 3177

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2738

<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

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ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggacccccca 60  
ttctccaang gcccgggggg gcggnttccc atgggatgtg aaaggctggc cattattaag 120  
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggt 180  
gttnacaaat nacgtg 196.

<210> 3178  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<400> 3178  
actatttttg nnagatggta cccctgcag gtaccggctc ggaattcccg ggctcgaccca 60  
ttngtccggt ttnaccagat nctgaccgc gacggcaagg 100

<210> 3179  
<211> 506  
<212> DNA

2739

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (430)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (500)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3179

```
gctcttttaga tctacttgct tttctgcttt taaagattcc atgggagcag tgaggcttac 60
tttgagaata agggtaacttt gttggataaa agtgaagcaa acttttattt tggcagtaac 120
ggaaataaaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt atttttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aaggtcaaaa acctagattt agacattata aagattttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggctttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttctctg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcan aatggt 506
```

&lt;210&gt; 3180

&lt;211&gt; 146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

2740

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 3180

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ggcgccccnt ttgggtcccg ccggggcgcc ggggggtgcgg gagccggccc aggagggggc 60
ggcagcggcg gtagtagcaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngagggg gcagaaagcc ngcgnc 146
```

<210> 3181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

2741

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
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<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

2742

<220>  
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<222> (288)  
<223> n equals a,t,g, or c

<220>  
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<222> (312)  
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<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<400> 3181  
gcctatgcgt ccggtaccat ggaaaactaa atttaannna ccagttataa cagtgtttta 60  
tttagataag tttagaggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120  
tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttnaacta aaatggaatg 180  
gtatgctnta tacccttaaa gttingaggag gatcttgata tgttttaaca ttatnatggc 240  
anggaaatat ataaagaana aaaatattnt tctatttaca atttttanaa aaggtttaat 300  
gtaaaaataa tntggatttg tatnaanaac aacacttatt gctatgtatt gtgttagaca 360  
tattgtcagt ctgttgctac tgacttanat anttaaagt tggcactgct gaanat 416

<210> 3182  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

2743

<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<400> 3182  
gagatagact ttntctnttgt aaagtaaata aattnttcaa aganaagcat tgcanatgga 60  
cct 63

<210> 3183  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

2744

<220>  
 <221> misc feature  
 <222> (441)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (494)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (514)  
 <223> n equals a,t,g, or c

<400> 3183  
 gccacgcgt tcgggaattc atgtggaggc caccacagct gcaagtgcct tccttggagc 60  
 agagaggcag cctcgtcctc ctgtccctc tcctccagc caccatcggt catctgctcc 120  
 gggcagaact gtgtggcccc tgctgtgcc agccatgggc tcgggatgga ctccctgggc 180  
 cccacccatt gccaaagccag gaaggcagct ttctgttggc cctgctcggg acagccccgg 240  
 gtttcccagc atcctgatgt gtccctctn cccacttcag aggccaccca ctcagacca 300  
 ccggcctggc ttgctgcaga ctataaacta taaccactag ctgcacacaa gtctgcantc 360  
 caggcgtgtt ggaagccgcg tttccgggtt cggggaaggc ccccgggggc ttggggaaac 420  
 gccctggngc ctttctctg ngcccaaaac ccaaaggccc cctttttggc cttttccctt 480  
 gggcccttgn ttgnccgaac caaggaaact tggncctaaa 520

<210> 3184  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (32)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (45)  
 <223> n equals a,t,g, or c

2745

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<400> 3184  
gtcgaccac gcgtccgtan aagagtaggt cntccagtgc tgetnntgca gacacctang 60  
at 62

<210> 3185  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>

2746

<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<400> 3185  
catntggcng tgaccttattc tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60  
tcccgggtcg acccagcgcg cgcctaagac ttacctgata tttcttagga tgtggacatc 120  
atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180  
ggcaatatgc tagctgaaat tcacccttcg atggtttcat tttcttgtct acaaaggcag 240  
ggtgagcgac tgntgccctg tgatttctgg cactcccagt ggaaaggaag cagagggggc 300  
aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360  
cctccccagt taccattctt tccttggttc ccattccctt cacatccagc agtgngggct 420  
aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcaaag ttagactgga 480  
caaacaagcc ggtgtggang aagctttn 508

<210> 3186  
<211> 91  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>

2747

<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3186  
acttttgga aagctggccc gcctgcaggt accgggtccgg aattcccggg tcgncccacg 60  
cgtccnttcg cctcaaaggc gnacaggtgn n 91

<210> 3187  
<211> 193  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)

2748

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (140)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (193)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3187

```
ggngctgnctg aggaggtgtg gacttttatn tatagatcta catanaaact gntacatgac 60
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggatgaata ctn                                     193
```

&lt;210&gt; 3188

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

2749

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3188

```
gtcgacccac gcgctccgcg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatatatt cagggctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcattttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttctttactc atgtgattcc tttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctcctttcca acttgccttg ttaaccagga tcctgaacaa gcattctactc 420
cttgcagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc 474
```

&lt;210&gt; 3189

&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

2750

&lt;400&gt; 3189

ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca 58

&lt;210&gt; 3190

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2751

<222> (175)  
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<220>  
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<222> (190)  
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<220>  
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<222> (195)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
<221> misc feature  
<222> (308)  
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<220>  
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<222> (357)  
<223> n equals a,t,g, or c

<220>  
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<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<400> 3190  
gaacaaaana tggagagcta atttctgttc ctcttttgan nntgggttat gtncctagtga 60  
gaggttcac tgataaaaat caaatctcaa gtacaatatc acttttaaaa tatctaanan 120

## 2752

```

aaggatattc aataggaact ccattagatg gaccaaagg accaaaagaa aangntaaaa 180
aaggactttt atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta 405

```

<210> 3191

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 3191

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gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60
atgctaccac gtggntaccg gntgaangan gnat 94

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<210> 3192

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

2753

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 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<400> 3192  
 gtttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60  
 gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120  
 gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180  
 caagctatac tgaaatccct ctagtaaaaag attgagacga aacactaata gttttgggcc 240  
 aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtctttgg ctatatggtt 300  
 ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaaacta ggggtactac 360  
 cccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420  
 aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480  
 gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540  
 gtggagccg 549

<210> 3193  
 <211> 99  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (24)  
 <223> n equals a,t,g, or c

2754

<220>  
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<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
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<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<400> 3193  
caaggagaat ctncgctcac tacnngggna naatggcccg ccgagcaggc accgggccgg 60  
aattcccggg ttgaccacg cgcttttcac ccgatngcg 99

<210> 3194  
<211> 140  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2755

<222> (30)  
<223> n equals a,t,g, or c

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
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<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<400> 3194  
ttnagaacgt nttncggcac gcgctgcggn tcttcattca cctgcacnnc aggggtggccc 60  
catctaagct ggaggcgtng caaaaggccc tggagcctac aggccagagc ggaataggca 120  
gtgaangagc tntactccca 140

<210> 3195  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)

2756

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

2757

&lt;400&gt; 3195

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gcggaacncgt gggggcggag gcagaggtgg ggctctcttg cagtggagtg ggtgctagag 60
gcaaaccctt cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga gggtgccagg gggctggctg agcagctggg cgggggtccgt 240
gaggttaagaa ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaanggggtg ctatgaggac agcangggcc tncgagtctg gggtaggctc acccccacaa 360
gcagtccttg ctactcagcn gcactaccca taggggaacnc ctgggcagtt tcttcaattc 420
ggtaggcacat taacatcgnt tgaaactttg tnttttcttn t 461

```

&lt;210&gt; 3196

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3196

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gctcttcact tnnatngatg cttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69

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&lt;210&gt; 3197

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2758

<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2759

<222> (235)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (240)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (247)  
 <223> n equals a,t,g, or c

<400> 3197  
 antnataaat caaaaaaatt nggggggggcc acccccggaa agggcttctt ttctggcctt 60  
 gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gcccagcca 120  
 agaaggggaa gaaagcccc gaagtngcaa nggaagaaag caagcanncc cgtggcccc 180  
 aaccgggttc aagaaccna aacccaaggt gccgcttccc ttggggggccc aaggncctn 240  
 nattttnaag aagtgaaga accttgaaca acttg 275

<210> 3198  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (3)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>

2760

<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<400> 3198  
tnntctatct tgcnaatccc gttcatantt aaagccagta cgcctgcagg taccgggccg 60  
gaattcccg gtcgaccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120  
cccgtttgna tgagtcctg nagaac 146

<210> 3199  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2761

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3199

ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60  
cacgcgtccg cncgcgttc gcccacgcgt ncgcccacgc 100

&lt;210&gt; 3200

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (399)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (445)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3200

gcggaactct gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60  
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcatTT 120  
atgggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

## 2762

taatgtgccc tgcctggctg gctctggctt cacactctgc attgtgtgtg cagggagctt 240  
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300  
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360  
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420  
ccaagncatg actatttctc tctgngataa a 451

<210> 3201

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

## 2763

<400> 3201  
nnggtctaggt gtcgtccgag acncttagtn gnactcacat gggaaccnct nctatatattg 60  
naagctggta cccctgcngg taccgggccg gaatccccg 99

<210> 3202  
<211> 72  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<400> 3202  
ttaaaatcat gacatgacat acttttggaa tttagtcccc atatgctgac agatgncnaa 60  
angggtnat an 72

<210> 3203  
<211> 84  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)

2764

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3203

cccccggtcc tttttttggg ggaaaaaaaa accccctcc ctttttttg gggggaaaaa 60  
aangantaan ccccttcttt gggg 84

&lt;210&gt; 3204

&lt;211&gt; 70

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3204

gctnatgcaa ggtcannccc cttcctgggg gcctgggttaa tgtggatgag ngaaggcctg 60  
ggnccttgc 70

&lt;210&gt; 3205

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2765

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<220>  
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<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2766

<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)

2767

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (381)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (408)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (410)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3205

```

ggcttcgntg tathtagtaa gcctttacaa gacttgtaa agatgtnatg agtgccccaa 60
gtgncgttc ctcccttcc tgnccacaa gctcctntc ctgaattnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttgacc tcatnctcaa ttattanctc 180
ctttcaactc tggagacct ctgtctggc tnnctctaga aggttctacc gcataaattg 240
atntgtgtc cctgccctcg naactgccaa gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttctgc ccttttccac actgcagctg aagttcaatt 360
acctnaaang acnnccttat ntttcatttc cttggctcca aaccttngn ttgcctctaa 420
gattaaagct caanttctta acagtgtaca gtgtgcaact tccaaccttt ttatntg 477

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&lt;210&gt; 3206

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2768

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (427)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (463)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (558)  
 <223> n equals a,t,g, or c

<400> 3206  
 ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60  
 acctttgggg aaattggtat tacgagctga ctttggaataa ttaaaatagc atcaagggtcc 120  
 tacatttttaa ataaaacaat cgatatctta attttttaaaa tcagactaga ttacgatacc 180  
 agggaaaagac atacatattt tgctttttatg tgttaaagtt ttgtaattca gggaggacaa 240  
 gaaaagggat atggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300  
 aaaatgtata tttttaagtt tcaatttaaa cctttgctgg taactaaatg ctttgatatg 360  
 atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420  
 gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaatttcaag 480  
 cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540  
 cccacatntt tcatgaana 559

<210> 3207  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (170)

2769

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (195)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3207

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tcaaaatttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag aggggtgaact agaaagaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
gggttttggga ttaaaatctg tttaaagaaa tatccggaaa tagggtttcc cataaaaacc 300
ttgcccattt tttctaaaat ctgatttttt tccttntttt taacccataa atttttggct 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaanataaa 410

```

&lt;210&gt; 3208

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2770

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<400> 3208  
cttgntgact tntcggaaa taccnctact atagggtgtaag ctggtacgcc tgcaggtacc 60  
gggtccggaat tcccgggtcg acccaccgct tnncggacgc ntnggggtgaa aagctcctta 120  
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>

2771

<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 3209  
gcggaacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagatttttn 60  
annc 64

<210> 3210  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)

2772

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3210

gcaaataagn tatcaacccc agactatttg ttgacatgg gncaatnttn agaatatntt 60  
gg 62

&lt;210&gt; 3211

&lt;211&gt; 80

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3211

ggctcttcttt aggtacgaga ggtgcagagg aggagtttag atgacntttg anacctcant 60  
catnaaggcc tacagaatnt 80

&lt;210&gt; 3212

&lt;211&gt; 74

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2773

<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 3212  
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60  
ttnnactaat ncca 74

<210> 3213  
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2774

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<222> (151)

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<220>

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<222> (233)

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2775

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

2776

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3213

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cttgctatag ctctgagcnn gtactcccg aggnacccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tcgantacta tncctttacag ggaaaaaann gggctgttgt 120
gggcatecta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatac ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaatnta tcntgatac ntanttgata atattagtga tcccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa                                     385

```

&lt;210&gt; 3214

&lt;211&gt; 90

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3214

```

gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga                                     90

```

&lt;210&gt; 3215

&lt;211&gt; 91

&lt;212&gt; DNA

2777

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3215

gaaactatta cnttgaaga actctgccta tgcttgctaa atatagnngn gaattantgg 60  
 ttactaaaa taancaggaa gaggggaaaa a 91

&lt;210&gt; 3216

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3216

gttttcatct atcttggcag gaagtgagta tgcgacatnt aagattgaga catcaaaaat 60  
 tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggt 120  
 tgcctctggg aaaaacactg gaggcattgg aaaggggttg gttgggggcc tgttgttttt 180  
 tgcattcgcc cccttgagtt catttgttct ttcacctaac agacacttac tgtttgccaa 240

2778

acacatgtaa atgaaacgac ttactgaag atttgaggac gtgagatatt ttctgtcacc 300  
acagtgccag atttaaaatt gaattattaga gaaacttggt cttaaaactt ttgctaggc 360  
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tttacattc ttn 413

&lt;210&gt; 3217

&lt;211&gt; 146

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (127)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (131)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2779

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (139)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3217

aggangctta anttatctta nnnaaacttc tgactatagt taaagctggg acccctgcag 60  
gtaccgggtcc ggaattcccc ggtcgaccca cgcgtccgtt acctctctgc caagtttggt 120  
ggaaaanngg ncaaanttna aaaaat 146

&lt;210&gt; 3218

&lt;211&gt; 55

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3218

gacctctact atagntnaag ctggtaacnc tgcagggtacc ggtccggaat tcccc 55

&lt;210&gt; 3219

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

2780

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<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (39)  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>

2781

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<220>  
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<222> (254)  
<223> n equals a,t,g, or c

<220>  
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<222> (259)  
<223> n equals a,t,g, or c

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cgccacacagc gtcctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120  
tgtaagcata aagctaattg gattggnngg agcccccant gagagcnggc angtgctgga 180  
caatcttctc tcagccttgc tctgctaatt tctccctggg tgtaggctgg cctcntgctg 240  
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

2782

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tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120
gaattatggg atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctgggc 180
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tcctttttaa 240
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300
taacctttna atggaccttg gaatctttta attattgctt ttnaacattg gtaattnaaa 360
ccaaaattcn atttncgtaa tt
382

<210> 3221
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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2783

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<220>  
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<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

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acncccantt gaaaccccnc actcattntn gggaaagctg gcacgcctgc aggtaccggt 60  
ccggaattcc cgggtcgcacc cagcctttcg caggagtctg ccacttgta aagaaggngt 120  
tnatcctgag tcttnccant cn 142

<210> 3222  
<211> 679  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (41)  
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<220>  
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<222> (458)  
<223> n equals a,t,g, or c

<220>  
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<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)

2784

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (569)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (604)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (652)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (669)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (672)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3222

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gaatttgcnt taaggtcagc tagcatcctg ctggcaagcc nctgcatagc atttgtgata 60
agaaggacca actctaggct caatatgaag ggatttagtt ctgtaagcag caaaaaagct 120
tctttatcaa gtcattctac ctctaattct tttccagtgt gccaaactcca aagtcaacat 180
taaaaaatgta aatggacctg tgtaaatatc acagagagct tttccttata catctcaatg 240
ctgagagtta aaatattccc aggttaaaat ttttttaaag taccaataat agagctaaat 300
acaatgacat ttgcttttaa aaggtggata ttttatttct gctttttgaa aatacttatt 360
tagtattgac ttggaagcca atttgggtcc ttttaataagt aaagaaaata atatgtttaa 420
aaatgtaa atgtttacaaa ttttgaaact ttcataaang nattaatcag aaaacaagcn 480
cattgccatt ctttgaaact catgtttcta gacatgacag cangtcaata aaaggatgaa 540
aacaagtgtc ttcactaagc cgtattggnc aataaatggg acccaaactg tcaatctgtt 600
caanttacca aaggttcaaa aaatacgtaa tttagcangg aaacctttca tnccagtggc 660
tatcccagnc cncacattc
```

679

2785

<210> 3223  
<211> 503  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<222> (363)  
<223> n equals a,t,g, or c

<220>  
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<222> (420)  
<223> n equals a,t,g, or c

<220>  
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<222> (426)  
<223> n equals a,t,g, or c

<220>  
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<222> (442)  
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<220>  
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<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<400> 3223  
gcccacgcgt ncgattgggt ctttagcctt atgaattnga gctgcttatt taattggtgt 60  
aatttactac atattagtagt tatattcgta aggatttttt attaaccatt acagatttta 120  
caaacagcta gttatatggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180  
ctagtatttg tgtagatgta tttggtactt tttcccctaa ttccaacact agtttatata 240  
tatagcgaat aaatctagtt gtataaattt ttaaatgccg tcagtagaaa gcacacaagg 300

## 2786

```

ttatgatttt tttaattact ggcttctgat ttcttttact tctgatacctt ttcttttttct 360
canatgtagc tgagtcttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420
taattntcct ttgtaatte anccctttac tatgctttgc cagaagatca gaatctccat 480
ccttgggntt nggataacca tgt                                     503

```

<210> 3224

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3224

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nacctggata acccgntctc gaaggggagg cggcagcggc aagcggagga ggcggaggcc 60
tgngaggggg cctgngaaaa gggctnggaa ggcctgaaca gngggg                    105

```

<210> 3225

<211> 111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

2787

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<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<400> 3225  
aaggcccccgcaggtaccg gtccggaatt cccgggtcta ccnccgcgtn nttttaagcc 60  
ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a 111

<210> 3226  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

2788

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
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<222> (148)  
<223> n equals a,t,g, or c

2789

<220>  
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<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3226  
gaaaggtcgg aagncccagg accgggtccgg aattccccggg tcgaccccg c ttccccggac 60  
gcntttttaa ncngcaactg ngctctttaga gctagggggc acattaancn ttgcactggn 120  
cagcatcngg ctntatggaa cnnaagtnta ccaaataaa aaagaaactt ctgcttttaa 180  
aaaaantata tatatatatn aaatncgaaa ccngcatttc tcccacggca atgnaagaag 240  
tagggcggt ga 252

<210> 3227  
<211> 70  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

2790

&lt;400&gt; 3227

tttngcaccc aagggnatgc tggcccgggg ggagctttag gatcaaagcc cgcttnacaa 60  
gacgacgaac 70

&lt;210&gt; 3228

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (430)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (438)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2791

<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 3228  
tttttcgccgc cgtctccctc ccttgcccgg ggngcatttn gnccttttgc ccgcctggcc 60  
accgccccta ggggccccct ttctgccctt cccgcacccc tagtggggct ttgtctcggc 120  
gcccagaaaa tggcgacggg gcccctggcg accccttccc cgaggacagc gccggactcc 180  
gagccctcct ctccggagccc cggccgcggg ccctgcgcca cccctgccc cgctcttgac 240  
ccggctctcg cctccgcttn tgccccttga aaccttggcg atcctatttc gtggactcct 300  
agatcgcccc tgctacttgc aaaggggatg ccggggccagg gaaaccaggg atcggcgccc 360  
gntctctggc agntcctggg ggcacttagg gaaagatgcg gatgcaagcc ttgaactggc 420  
actggccagn ggttcagnct tcaactgcttg ng 452

<210> 3229  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2792

<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<400> 3229  
gcggccgcac ancaagaatt nagngaaggn cccctgnag gtaccgggtcc ggaanncccg 60  
ggacgtccca cgcgaccttt ttaaacgcaa atntaaca 99

<210> 3230  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

2793

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<400> 3230  
 ttttacgcnn ccgggtgtgc tgcttgattg agggctcctt agagggggag atacacacgc 60  
 acacacacat gtcaccccc gggctgcacc cctcacctct gccacagcac tgagggcctc 120  
 ccccgcgttg ctgtttctccc aggaattcca cggcctttga gtacctggag gagttcccca 180  
 tacagatgct ggcccagctg gagacactca cagggaggaa ggcaaagcac gggctcttcg 240  
 catcaacatg gaatatggca gaaatttctc tggccccgac aaggacgtct tctttgatga 300  
 ccggnctgtg gggcacacag aagatgcctg gcagtctaac tttcttcac ctnncatcta 360  
 ctactataga tacctnccca ccgngnagca ggtctctgcc ttccccaacc tgnngggctcc 420  
 tcaaaaactna ccgctgcaaa 440

<210> 3231  
 <211> 528  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (455)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (522)  
 <223> n equals a,t,g, or c

<400> 3231  
 tttcataaaa aaataagagt ggaggaatag ggcaatattt tgccttaggt aaccagatga 60  
 attgcaacca ttaacatctg aggcaacatc tgaagaggaa gtgcgttatt gggaaatatg 120  
 ataaatttaa tttcattgca tttacagtgt ctgtgggaca tcagctggag gtattcaatg 180  
 aatgtctgga tatagagcaa tgtctcagaa gaaagtctag aaatagtgtc gtccaataga 240

## 2794

aacctactgt gacctcaaa tgcaaattat ttagtacatt aattacgttt tatttaaacac 300  
aatatatcta aaatgttatt tcattcttgta atcaatacaa agttattaag atgttttctt 360  
gccagatctt aaacttggtg tgtaatttta tacttagcac atctcaagcc atatgtcaga 420  
tgctcggtag ccgtatgtgg cttgggggact accgnatggg acagtgccgn tccagaatat 480  
ggtaatgggg angattatac cttacaatg ggcanttga anactgca 528

<210> 3232

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 3232

gaatnttttaa aaacaggaca agcactacaa gatacggggg ctanttaaaa aaacaaaa 58

<210> 3233

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2795

<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<400> 3233  
gnngaagatt taagataact aagcacnnta aacttgtagg catctaataa attagcctta 60  
aaatntataa agcaaaaata taactacaag gagaaattgg caaatnctca cttacagtgg 120  
gagaattgca tacngctctc agntaatgan aggacaagca aacaaaacta gnaaacata 179

<210> 3234  
<211> 122  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)

2796

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3234

ntaaancatt aagcggctgn taaaagtggg ncaaatttna gggggctgag cctggtggct 60  
cacatttggg atcttatagg ctataaatta gagctattcg ccaacncctg ancangccag 120  
gc 122

&lt;210&gt; 3235

&lt;211&gt; 53

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

2797

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<400> 3235  
cgattttttt caaagggttaa aatggaccnt ggtttgnaaa gananttcan tgg

53

<210> 3236  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2798

<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
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<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
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<222> (149)  
<223> n equals a,t,g, or c

<220>  
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<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (179)

2799

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

2800

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

## 2801

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<400> 3236  
tntgngaccc cagatggcat tcncaaaacc ccttcgagaa ggaacccagg nacncctgca 60  
ggcacccggtc cggaagnccc gggacgaccc acgcttttcg ctnttccan cngaggggan 120  
cccaggngcg ggtcaaaaaa gcgaaccann cggacaggga caciaaccna gacagntang 180  
aacgctgaga gaggantgnc aacaagcang gcgagcccac ggncacacng gcaccngagc 240  
ngaccncga nagncccanc gaaactgagg cgtgccngca ggacagngag caggccctca 300  
ggagccaaag ggatgcaagg aacgaancct ggataccaan gaggngaccc acgaagaaca 360  
cagatgaaac aangancaac cgagngctag gggcncacag agacaacanc ccggagagna 420  
taa 423

<210> 3237  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>

2802

<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<400> 3237  
gaagaagcaa gagaccangc ccaatgangc caagaacatc agggccggcn tggcaagaan 60  
gaatgggagg actgacggaa nggatggcaa ccaaccgaag gcggacacag gacgcnagga 120  
catnaaagca 130

<210> 3238  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2803

<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<400> 3238  
tattggaaaa acgngnacnn atccgngaaa acccctnact atatttgagn cgaaaggtcc 60  
cccngcaggt accggtccgg nattcccggg gcgactaac 99

<210> 3239  
<211> 118  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

2804

&lt;400&gt; 3239

nccccggaccc acacacacct agngggggaaa aaganccgng cccacagacn attagacaag 60  
agataacaca gggatacacc gagaaaatat acccagagag atacagnacc ccaacagc 118

&lt;210&gt; 3240

&lt;211&gt; 116

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3240

anggcagcga gcnggggagca cagacccaga acgaagacaa gaacgaccgg nacaacgcca 60  
acggagctca agaggcgaac aagccgcaag acaagnngga cggaacann aaaaaa 116

&lt;210&gt; 3241

&lt;211&gt; 139

2805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3241

ataagctaag tgagtagngn ttncnaacct gaagaccacg ncacagctcg tatgctgatg 60  
gtcatttgca ttaagatgaa caatttctaa aaacatacat aanaaanagt ancaatcaac 120

2806

tgagcaaaaa tangggaaa

139

&lt;210&gt; 3242

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3242

cacaacacct accacaggga aaaccgcnac gcccgaggn accggtccgg aantcccggg 60  
tcgaccacg cntttcngcc aaacatggcg gggcaggacg ggggg 105

&lt;210&gt; 3243

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

2807

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (522)  
 <223> n equals a,t,g, or c

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 ggacgcgtgg ggtagcccca agaaggctgg ggctatttac cagggtagaa aaaggagctt 60  
 acctcccacc tttggtccta agtccctgcc ccctcccctt cacaccataa ctaggtaaca 120  
 gtttgataac tagggaagaa agcagaacag ttaagcagcc gccacatccc cgctggctgg 180  
 gggcctcact ccaggaaggg gctggactgg ctgtcctttc cagtggcctg gctccgctgt 240  
 gtggatgggg agatcggggc cagaggcaga accctgggtga ggaagctcca gtcctgctct 300  
 ctaccagacc catcttgccct ccatgggtgcc tctggaggcc tctgggcctc ctctaacagg 360  
 ggctgggtggg caccaagagc caatggagta gaccctggc tggttaagggc caagtcccac 420  
 cggttgcttc tgggaaaggg tttctaacac tagtctgtgt gctggggntc ctgggggtgcc 480  
 cttcactggc cttttggtna ataacaaggg ccttgnttaa nn 522

<210> 3244  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (266)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (282)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<400> 3244  
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 tgaattcttc atcacagcct ggttatggct taggcattat aaatgatgct gtgctgacag 120  
 ccagggtggac agcctgccta actggatgat gcttcacttg tcctgacagg gacagccctg 180  
 caaatagaat ctgaggggatg gcagacctat tggagtcac gtgtcctttc actgagtctg 240

## 2808

gtgggactct cttccactca tcttanactg gaagatgcct gnccttttttc tttcttataa 300  
gtcttcacag agaaagggag ctttttccca agacacactt tatttttctt ttggcaatgg 360  
ntagtgcaag ggtaaaaag ttcttgaagt caaat 395

<210> 3245

<211> 142

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

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<222> (21)

<223> n equals a,t,g, or c

<220>

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<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

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<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2809

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3245

antaattttt atgatcttct nctatttnga aagntggtac ccctgnaggt accggtccgg 60  
aattccccggg tcgacccacg cgtccttacg ggcgagggca tggacgagat ggagttcacc 120  
gangtgggat gtgntaccca nn 142

&lt;210&gt; 3246

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3246

gttntagttc tagatcgcca ggcggcgccc ngnttttttt taattttttt ttccntttt 60  
tttggcatca ttaacatttc atttgaaatg catattgntn ttgaa 105

&lt;210&gt; 3247

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2810

<220>  
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 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (34)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (41)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (255)  
 <223> n equals a,t,g, or c

<400> 3247  
 ggggtnggtc tcttaccctt gatgttttgt tttntttccat nactaaaata tttgggtggac 60  
 ttgaaagtga ccttgctctg atttcagaat tagaaattta gtgagtgttt ttattgcctt 120  
 aggcagcact tgcttaatgt ggatgacatg tcaatggcat taaatcacca ttgagccaca 180  
 ggctgtgaag ggagccagtc agcatcagtt ttctgactat tgtgcctaag aaactcaaaa 240  
 agatttgtgc tgcangcatc ccgaaggatt gggaccacaca tgggccttga tgtgcgtttc 300  
 tgtaggccag agcccagcca aggcctctgg catgtttttc ttcacctttg caggctaaca 360  
 gaaatgtctt gattctcttt caaatcaa 388

<210> 3248  
 <211> 689  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (10)  
 <223> n equals a,t,g, or c

<220>

2811

<221> misc feature  
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<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
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<222> (124)  
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<220>  
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<220>  
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<222> (182)  
<223> n equals a,t,g, or c

<220>  
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<222> (197)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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2812

<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (368)  
<223> n equals a,t,g, or c

<220>  
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<222> (369)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<220>  
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<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)

## 2813

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<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (563)

<223> n equals a,t,g, or c

2814

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<222> (570)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<220>  
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<220>  
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<222> (591)  
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<223> n equals a,t,g, or c

<220>  
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<222> (602)  
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<220>  
<221> misc feature  
<222> (606)  
<223> n equals a,t,g, or c

<220>  
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<222> (621)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (622)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (648)  
<223> n equals a,t,g, or c

2815

<220>  
<221> misc feature  
<222> (653)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (665)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (668)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (670)  
<223> n equals a,t,g, or c

<400> 3248  
naacctgngn atagcttaga aatagccatg ctggagtatt atgtccagaa ggtaacctgc 60  
taatgctagc acgcntcgca nacactacga aaggctcgca cagtcaacat ggtagtgat 120  
gccnttcaca gccaacacgt ctatacactg gggacttcac cagtcaaaat actccnggtg 180  
cnttaaaatt aagggcnttt aattcaactt aagcgggttt cgaataaccc aaaattttaa 240  
tcaaacggtt taatttttta cggagngac cctttactan gggaagggcc cccaatttt 300  
aggaccntc naaatatttn gggcctttta aggccccaaa tattttccaa acccttttaa 360  
cnatttanna aattttccaa tttgggaaaa aattttataaa antanncaa tttggnaaaa 420  
tgggggaaac nntgggnttt aaaaanccgg ggaaattttg gggggggnccc cccttaaagg 480  
gggnaaaaaa tttggggaac tcccccaaaa ncaattttta ttgccncccc ttnttttcng 540  
gggggaaaaa acccaaacc ccaaatattn agggggnttn ttaaaacccc ncccccaag 600  
gngggngcaa acctccggcc nngtttcctt tgggaaacca aatttttncc cgnggggttt 660  
cattnggncn ttgggaaatt ttttaagttt 689

<210> 3249  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2816

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
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<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
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<222> (422)  
<223> n equals a,t,g, or c

<220>  
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<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

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acccttgagc cctgggctct gcttggcatg cccctgaacc ccgtttcctt cacagactct 120  
ctgggactta gtccttgga cagcaggccc cccacagtaa ctgtgtctgt tttctttgct 180  
gctgagctcg tgcacagaga tgatggctga tgcctccttc tccctcaggg tacgggtctg 240  
gcacgtgtgg gtccttgga atgccagtaa tggcctctgg gtagagtagg gtcacgtcac 300  
tctgagagaa ttccccattg tgcctacaga ctcacccctt tctttccctc ttctgntttc 360  
atttccttcc ctatattcag acagacattc ataggatgga catagaaatc atnttaatga 420

2817

cngaaaagac ttttaaggaa ctattcactg nacttanctt gtaccaaaca nc

472

&lt;210&gt; 3250

&lt;211&gt; 699

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (163)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (318)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

2818

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (510)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (639)  
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<220>  
<221> misc feature  
<222> (683)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (692)  
<223> n equals a,t,g, or c

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ncggacgcgt gngtagtgag ataagcagga cattttacaa agaaacaagt agctgttcaa 60  
tagatttcca tgaactctga gcacagccaa caatccccgc cccccactcc tccctacccc 120  
caagtgttac caggcttcat tctttagngt cattccagtc ctncactaaa tttccattag 180  
ttattaatca tctaaagctt ttatctaaag tttaccattt atccttctgn ctctggccct 240

2819

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gnattcccct actttacaga gatatatatta aaaaactgnc acttgtaaaa gcaaacagac 300
aagtgggata gaatactnaa aagtcangan aatagaaagc cttttctgaa attgaatcac 360
cttctaacag ctatttctaa taaaaaatgt attaagaaag aaagggggaa aaaaaggctt 420
ggatcccgaa agacagtttg aatcataaca gtgcgagtgc gagacagaag acaatcactt 480
tctactctct gctngtcnct aaaggaattn cagttaggta ttcaagaatg gaagaacacc 540
gagagtcagc cgttcttctt tctcttttaa aaaaaacca aattcatctt gggcatggta 600
tcaagttgnc ttgaatgtan aagggaaaaa aaaaggcant ttccaaggca ttacctaaaa 660
atcaactctt tccatttaaa tgnngggcca tnttggtaa 699

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&lt;210&gt; 3251

&lt;211&gt; 132

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (82)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3251

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agggtccag gaacacccca cgtccgttct tctggaccac ancgccctng actgtgaccc 60
tnagcgacnc ttctgtcctg cnetccgaac acacagcgct gtccctggaaa actctgcaca 120
cgtgtgcaga ct 132

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&lt;210&gt; 3252

&lt;211&gt; 133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

2820

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<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3252  
gnatgggtgtg cgaagccaan ntgctgcgag cactcaggcc tatgnaagaa accaagggaa 60  
gacagtgggtt ngtggaccaa aagggctgtg aagcattcct gggcatgtgc nccaagatnt 120  
ccacntcttg gaa 133

<210> 3253  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)

## 2821

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3253

ggntggctga agtgtacgac cttgcggnca gnaaaccagn tgacattgaa ngctca 56

<210> 3254

<211> 158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

2822

<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<400> 3254  
aagcaatcct gccttancgn cccaaagngc tagagtgatn attacaggca ttgaaccacc 60  
atgtacagcc caggattagt ttatantctt tgggtgaagg nctctttttg agacangaac 120  
ttactcagtt ncacatgctg attncctaaa tgcagggtg 158

<210> 3255  
<211> 279  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2823

<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (255)  
<223> n equals a,t,g, or c

<400> 3255  
gagaaaaaca agaaaagtgg agaattcttct tctnagttga gtcaagagca gaagagtgtc 60  
tttgatgaag atctgcaaaa gaagatagaa gagaatgaac ggttgcatat acaatttttt 120  
gaagctgatg agcagcacia gcatgtggaa gcagagctga ngagtcgact ggteactctg 180  
gagacagaag cagnccagca ccaagctgtg gttgacggtc tcacccggaa gtncntggaa 240  
accattgaga agntncagaa cgacaagggt aaactagaa 279

<210> 3256  
<211> 629  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (472)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (572)  
<223> n equals a,t,g, or c

<220>

2824

<221> misc feature  
 <222> (575)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (577)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (591)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (599)  
 <223> n equals a,t,g, or c

<400> 3256  
 gtccagaaaa ataaatatgt gcttatttat ctccctgtt ctgggttgac aacagagtgg 60  
 ttctcctggt agcttccaga taccaaatec ttgggcgtgg aagagcagta aggcaggagt 120  
 aggggagagt tgggcaatag aattaatata agaaggttct gatctctgta ctcttttggt 180  
 gactaagtc tgaaaaatat atttgccatg tctcaaattt gttggacttc tgatacagtg 240  
 tggcttaatg ttcttgctct cgctaacagc aacattttac aatcagtgtc gagcttggat 300  
 ttggcattat gaagtatttt gtttgggggg cacatataga agagctactt aggatgaaat 360  
 agaaggatat acaacattgt agtttgtgca tatcaaatac tcagatgcc a tgggatttga 420  
 gagaagtggg agagaaaagt tttggtgtga ataaaactgn aataatgtgt anagctaaag 480  
 gaacagtggg agacaacctg aantagaaag tgtttcacag agaatgctaa ttctggagcc 540  
 tgagccacta cttttttttt tttttttaa cnggntngaa ccagacttta nctttctgna 600  
 aaacttttaa aaacctcttg gatgccttg 629

<210> 3257  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (198)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

2825

<220>  
 <221> misc feature  
 <222> (274)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (315)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (479)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (480)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (482)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (485)  
 <223> n equals a,t,g, or c

<400> 3257  
 ncattcgcc tttctaggat tgcatttccc aagtgcatt gcaataacag ttgatactca 60  
 ttttaggtac caaacctttt gagttcaact gatcaaacca aaggaaaagt gttgctagag 120  
 aaaattaggg aaaagggtgaa aaagaaaaaa tggtagtaat tgagcagaaa aaaattaatt 180  
 tatatatgta ttgattgnca accacattta tctnagtaga actgaattgg ctcggaaaaa 240  
 agaaaaactg catgttaatc attttccata gctntccttt tgaggcttag tcagtttatt 300  
 gggaaaatgt ttagnattat tccttgctat tagtactcat tttatgtatg ttacccttca 360  
 gtaagttctc cccatttttag tttcctagga ctgaaaggat tcttttctac attatacatg 420  
 tgtgttgtca tatttggett ttgctatata ctttaacttc attgttaaaa aaaaaaannn 480  
 annanaaaa 489

2826

<210> 3258  
<211> 110  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<400> 3258  
ntagaaatgt actcaagccc tatttataaa caaatacttt tctacttgaa gtntaacnct 60  
tacagaacat cacctgnaat ggccacncac actgtatgtg tgagtcatan 110

<210> 3259  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>

2827

<221> misc feature  
 <222> (50)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (60)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (394)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (460)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<400> 3259  
 gnttagccca ccaatgccaa gacaaaatta tttttcttat acttatttttn tattaaacan 60  
 aatgaaaaag atccttttca aaaagggtgat cctgaaaata aaactaacac tccagtattt 120  
 tgtcattggt tttcgcaatt gagctatctg aaaactgtta ttcctaagta atgttcaaaa 180  
 atgataagta atctggatac ctttttctta tactttctcc taggaaaact ttaaaacttt 240  
 aaaaaggcaa acctaccaat aggaataaca aattaaatgt caagagagta tatccaatat 300  
 taggatataa aatgtatgtg tctcaagttt aactctacaa aaatttggtta cttgttttta 360  
 aactctatat ataaagttcg acttaatcat gggntgttnt aagaagtctt ttggagagca 420  
 agaacatttt tgcnttttctt aaaggggggg gtttacttgn an 462

<210> 3260  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

2828

<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (479)  
<223> n equals a,t,g, or c

<400> 3260  
gcatttctat atcgtctctg cgttacatac tcaactgagca cttttagaag gaaagggtaa 60  
ggtggtagag tacaggatct agttgtatac aaaattgggt ttctcatcca tttggagaat 120  
ttttattttg gaataacaga tgaaatgatac aggtttgttt atgatgaggg ggttatttgt 180  
ggtcataaat tcaaatgacc ttctttattt nttttctctt tgttgacatg ttctcatat 240  
gagataaatg gccttttgaa aggtacctac cttagcatgt gccacagtat gatgtgttca 300  
tgttgatata cataagcatt tncatgtctt aagggtctagg ggttatgtaa tattggattt 360  
gcctnaaagt ttttgaatta cacataccat attctnaaca tttaaaaatt aaataatttt 420